

10608 RUSSET PL

13927423

5/27/08

marliwr

Groundwater and Wastewater Services File Imaging Project
May 2007
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Groundwater & Wastewater Services
Septic Project File & Data Review Worksheet

GWS File #: 5329 WASPS App #: 1597

Primary ES assigned to project: DC

Secondary ES assigned to project:

Project Type: New System ☑ Alteration ☐ Repair ☐ Modified Plot Plan ☐

I. File Review:

Rule or Law				
	Permit Application			
.1937(d)	Is the Application complete	Yes ☑	No ☐	N/A ☐
.1937(d)	Is there a Site plan/Plat with application	Yes ☑	No ☐	N/A ☐
.1937(d)	Is the Facility shown?	Yes ☑	No ☐	N/A ☐
.1937(d)	Are appurtenances shown	Yes ☑	No ☐	N/A ☐
	Site Evaluation Information			
.1939 (a)(1)	Topography and Landscape Position Recorded?	Yes ☑	No ☐	N/A ☐
.1940 (a-g)	Slope % Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Texture Class Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Structure type Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Consistence Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Mineralogy Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(3)	Soil Wetness Condition Recorded?	Yes ☐	No ☐	N/A ☑
.1939 (a)(4)	Soil Depth to Rock or Parent Material Recorded When Encountered	Yes ☐	No ☐	N/A ☑
.1939 (a)(5)	Depth to Restrictive Horizons Recorded When Encountered?	Yes ☐	No ☐	N/A ☑
.1939 (a)(6)	Sufficient Available Space Recorded?	Yes ☑	No ☐	N/A ☐
.1937(m)	Are the Profile Locations Shown?			
.1939(a)	Are the S/PS Profiles in system & in repair area?	Yes ☑	No ☐	N/A ☐
& .1945(b)	Number of auger borings made: 5			
	Were sufficient auger borings made?	Yes ☑	No ☐	N/A ☐
.1939(d), .1955, .1956, .1957	LTAR	Yes ☑	No ☐	N/A ☐
	+ 2 by consult			
	Improvement Permit/Construction Authorization			
.1937(g) 130A-336(a)	Proposed System Type stated-Initial	Yes ☑	No ☐	N/A ☐
.1945(b) 130A-336 (a)(3)	Proposed System Type stated-Repair System location identifiable by setbacks - Initial	Yes ☑	No ☐	N/A ☐
.1937(g) .1945(b)	System components shown – Initial	Yes ☑	No ☐	N/A ☐
.1945(b) 1937 (f)(g)	Repair area shown Does System design match facility, flow & WWcharacteristics?	Yes ☑	No ☐	N/A ☐
.1937 (f)(g)	Is System design consistent with soil/site conditions?	Yes ☑	No ☐	N/A ☐
.1937 (f)(g) 130A-336(a)	Is the System located in the approved area? Is the Design flow (gpd) indicated?	Yes ☑ Yes ☑	No ☐ No ☐	N/A ☐ N/A ☐

130A-336(a)	Number of Bedrooms, employees, seats, etc. indicated?			
.1937(g)	Trench depth indicated?	Yes ☑	No ☐	N/A ☐
.1937(g)	Trench width indicated?	Yes ☑	No ☐	N/A ☐
.1937(g)	Trench length indicated?	Yes ☑	No ☐	N/A ☐
130A-336(a)(1)	Proposed/existing well shown?	Yes ☑	No ☐	N/A ☐
130A-336(a)(1)	Property line lengths shown?	Yes ☐	No ☐	N/A ☐
130A-336(a)	Facility/appurtenance setbacks shown from fixed points?	Yes ☑	No ☐	N/A ☑
		Yes ☑	No ☐	N/A ☐
	Operation Permit			
.1937(i)	System type as described in table V(a) of rule .1961	Yes ☐	No ☐	N/A ☐
.1937(i)	Conditions for system performance, operation, maintenance, monitoring and reporting.	Yes ☐	No ☐	N/A ☐

H. WASPS Review:

Construction authorization issued	Yes ☐	No ☐	N/A ☐
Installation approval issued	Yes ☐	No ☐	N/A ☐
Operation permit issued	Yes ☐	No ☐	N/A ☐
Other related documentation	Yes ☐	No ☐	N/A ☐

Comments: # Items requiring correction/modification: _____

_____

_____

_____

_____

_____

IA issued date: _____

OP issued date: _____

Review performed by: KL Date performed: 6-18-07

2-24-09

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

APPLICATION FOR A RESIDENTIAL SITE IMPROVEMENT PERMIT/ CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER SYSTEM, NEW WELL INSTALLATION, OR REPAIR OF EXISTING WELL

1. SEPTIC / TYPE APPLICATION: ☐ N/A ☑ NEW SYSTEM ☐ ALTERATION ☐ REPAIR ☒ MODIFIED PLOT PLAN
2. WELL / TYPE APPLICATION: ☐ N/A ☑ NEW WELL ☐ MAJOR REPAIR ☐ ABANDONMENT

3. JOB LOCATION INFORMATION:
TAX PARCEL NUMBER: 139-214-23
STREET ADDRESS: 10608 Russet Place
CITY: Charlotte
STATE: NC ZIP: 28227
SUBDIVISION NAME: Hillandale
LOT #: 32 LOT SIZE (acres): .861
TOWNSHIP:
☑ 0-MECKLENBURG ☐ 3-CORNELIUS ☐ 6-HUNTERSVILLE
☐ 1-CHARLOTTE ☐ 4-PINEVILLE ☐ 7-MINT HILL
☐ 2-DAVIDSON ☐ 5-MATTHEWS

4. BUILDING INFORMATION:
BUILDING TYPE:
☐ SINGLE MOBILE HOME ☐ MODULAR HOME
☐ DOUBLE WIDE ☐ MULTIPLE FAMILY
☑ HOUSE ☐ OTHER _____
HEATED SQUARE FOOTAGE:
NUMBER OF BEDROOMS: 3
NUMBER OF OCCUPANTS: 6
FOUNDATION TYPE:
☐ CONCRETE SLAB ☐ BASEMENT WITH PLUMBING
☐ CRAWL SPACE ☐ BASMENT WITH NO PLUMBING

5. IF PLANNING TO EXPAND OR ALTER THE EXISTING SEPTIC SYSTEM PLEASE COMPLETE THE FOLLOWING SECTION: ☑ N/A
NUMBER OF BEDROOMS TO BE ADDED: _____ NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE: _____

6. WATER SUPPLY: ☐ MUNICIPAL ☑ PRIVATE WELL ☐ PUBLIC WELL ☐ SHARED WELL ☐ OTHER _____

7. PROPOSED USE OF WELL: ☐ N/A ☐ IRRIGATION ☑ POTABLE (DRINKING WATER) ☐ OTHER _____

8. PLEASE INDICATE AND RANK DESIRED SEPTIC SYSTEM TYPE(S) IN ORDER OF PREFERENCE *(1-MOST DESIRED 5-LEAST DESIRED)*
☐ N/A ☑ ANY TYPE ☐ CONVENTIONAL ☐ ACCEPTED ☐ INNOVATIVE ☐ ALTERNATIVE ☐ OTHER _____
8A. RANK: 1 ____ ____ ____ ____

9. DO ANY OF THE FOLLOWING APPLY TO THE PROPERTY IN QUESTION? IF "YES" PLEASE ATTACH SUPPORTING DOCUMENTATION.

BURIED CABLES, LANDFILLS, STUMPHOLES	☐ YES ☑ NO		GRADING/SOIL REMOVAL PERFORMED	☐ YES ☑ NO	
EXISTING WASTEWATER (SEPTIC) SYSTEMS	☐ YES ☑ NO		JURISDICTIONAL WETLANDS	☐ YES ☑ NO	
WELLS, SPRINGS, OR WATER LINES	☐ YES ☑ NO		APPROVAL REQUIRED BY ANY OTHER PUBLIC AGENCY	☐ YES ☑ NO	
EASEMENTS OR RIGHT-OF-WAYS	☐ YES ☑ NO		WASTEWATER OTHER THAN DOMESTIC SEWAGE	☐ YES ☑ NO	
CHEMICAL/PETROLEUM STORAGE TANKS	☐ YES ☑ NO		KNOWN UNDERGROUND CONTAMINATION	☐ YES ☑ NO	
WASTE STORAGE	☐ YES ☑ NO		GROUNDWATER USE RESTRICTIONS/VARIANCES	☐ YES ☑ NO	

10. WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? _____ ☑ UNKNOWN

11. WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? _____ ☑ N/A

12. PROPERTY OWNER:
NAME: W.R. Foster, Jr.
ADDRESS: 9828 Thorn Ridge Dr.
CITY: Indian Trail
STATE: NC ZIP: 28079
HOME PHONE:
WORK PHONE: 704-254-4011
MOBILE PHONE:
FAX: 704-753-2181

13. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:
NAME:
ADDRESS:
CITY:
STATE: ZIP:
HOME PHONE:
WORK PHONE:
MOBILE PHONE:
FAX:

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6894

Revised on: 7/1/08

14. SEPTIC SYSTEM PERMIT APPLICATION:

If the information in this application is falsified, changed, or the site is altered, then the Improvement Permit and Authorization to Construct shall become invalid. I have read this application and certify that the information provided herein is true, complete and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed. The permit is valid for either sixty (60) months or is non-expiring depending upon the documentation submitted: complete site plan = 60 months, complete plat = non-expiring. WRF (Initial here for septic system applications)

15. WELL PERMIT APPLICATION:

If the information in this application is falsified, changed, or the site is altered, then the Well Permit shall become invalid. I have read this application and certify that the information provided herein is true, complete and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed. The permit is valid for a period of twelve (12) months from the date of issuance. WRF (Initial here for well applications)

16. APPLICATION SIGNATURE SECTION:

ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. A proper signature is required in order to process your application. Please review the application carefully and sign in the space provided below.

W. R. Foster, (Property Owner's or Owner's Legal Representative Signature)

2/13/09 (Date)

OFFICE USE ONLY

☐ SURVEY PLAT TO SCALE SUBMITTED ☒ SCALED SITE PLAN SUBMITTED ☐ UN-SCALED SITE PLAN SUBMITTED

SEPTIC APPLICATION FEES RECEIVED: $ 100.00 or Wait DATE FEE RECEIVED: 2/13/09

WELL APPLICATION FEES RECEIVED: $ NA DATE FEE RECEIVED: NA

APPLICATION PROCESSED BY: TCT

GWS FILE NUMBER ASSIGNED: 5329

APPLICATION ID NUMBER ASSIGNED: 4069

COMMENTS:

GWEN,

PLEASE CHARGE $100 FEE TO ACCOUNT LISTED

X37512

THANKS,

TREVOR

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6894

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 1 of 2
Property ID: 139-274-23
Lot #: 32
File #: 5329
AppID: 1597
Code: 2

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: W. R. Foster, Jr.
Applicant:
Address: 9828 Thorn Ridge Drive, Indian Trail, N. C. 28079
Date Evaluated: 11/1/2006
Proposed Facility: Residence
Design Flow (.1949): 360gpd
Property Size: .8a
Location of Site: 10608 Russet Place
Property Recorded:
Water Supply: [ ] Public [x] Individual [x] Well [ ] Spring [ ] Other
Evaluation Method: [x] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	LS, 15	0-6	GR/CL	FR/SEXP/SS/SP	>30" TO SOIL WETNESS	30	N/A	NONE	US, IV
		6-30	SBK/C	FI/SEXP/S/P					.275GPD/FT^2
2	"	0-6	GR/CL	FR/SEXP/SS/SP	>26" TO SOIL WETNESS	26	"	"	US, IV
		6-26	SBK/C	FI/SEXP/S/P					.137GPD/FT^2
3	"	0-5	GR/CL	FR/SEXP/SS/SP	>31" TO SOIL WETNESS	31	"	"	US, IV
		5-27	SBK/C	FI/SEXP/S/P					.275GPD/FT^2
		27-31	SBK/CL	FR/SEXP/SS/SP					
4	"	0-5	GR/CL	"	>37" TO SOIL WETNESS	37	"	"	PS, IV
		5-27	SBK/C	FI/SEXP/S/P					.275GPD/FT^2
		27-37	SBK/CL	FR/SEXP/SS/SP					

Description	Initial System	Repair System
Available Space (.1945)	PS	NA
System Type(s)	IIIg	NA
Site LTAR	.275GPD/FT^2	NA

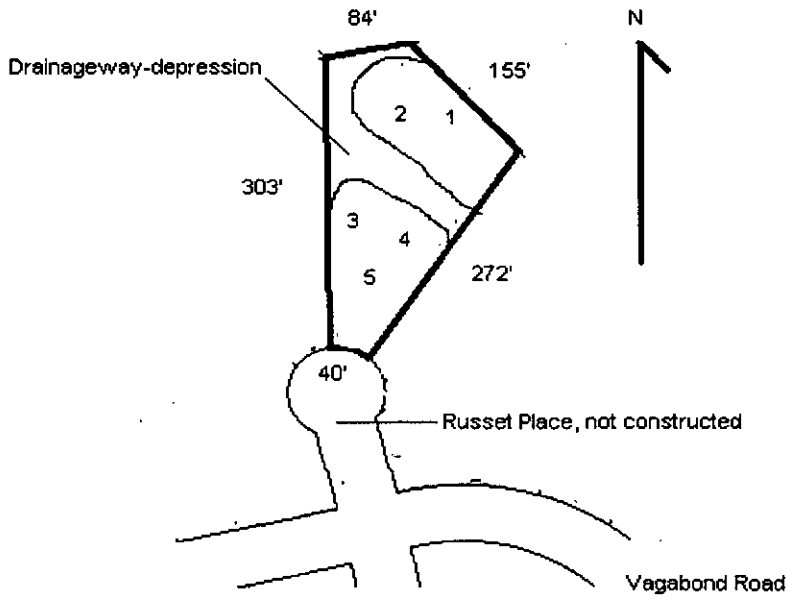
Other Factors (.1946):
Site Classification (.1948): Provisionally Suitable
Evaluated By: W. R. Martin, LSS, 11/2/2006
Others Present:
Site Evaluation: David Cornelius, RS

COMMENTS:
Does not require 100% repair, lot spot-checked 11/1/06

Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		M-Massive
LS-Linear Slope				CR-Crumb
FS-Foot Slope	II	SL-Sandy Loam	0.8 - 0.6	GR-Granular
NS-Nose Slope		L-Loam		SBK-Subangular Blocky
HS-Head Slope				ABK-Angular Blocky
CC-Concave Slope	III	SI-Silt	0.6 - 0.3	PL-Platy
CV-Convex Slope		SICL-Silty Clay Loam		PR-Prismatic
T-Terrace				
FP-Flood Plain		CL-Clay Loam		
		SCL-Sandy Clay Loam		
	IV	SC-Sandy Clay	0.4 - 0.1	
		SIC-Silty Clay		
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	NS-Non-Sticky	SEXP-Slightly Expansive
FR-Friable	SS-Slightly Sticky	EXP-Expansive
FI-Firm	S-Sticky	
VFI-Very Firm	VS-Very Sticky	
EFI-Extremely Firm	NP-Non-Plastic	
	SP-Slightly Plastic	
	P-Plastic	
	VP-Very Plastic	

Sketch of Soil Evaluation Locations



Residential Subsurface Wastewater Treatment and Disposal System Design

for

Lot 32 – Hillandale
10608 Russet Place
Mint Hill, North Carolina

Tax Parcel # 139-274-23
November 20, 2008

GWS Septic System Design Review

GWS File #: 5329 **Approved** ☐ **Disapproved** ☐

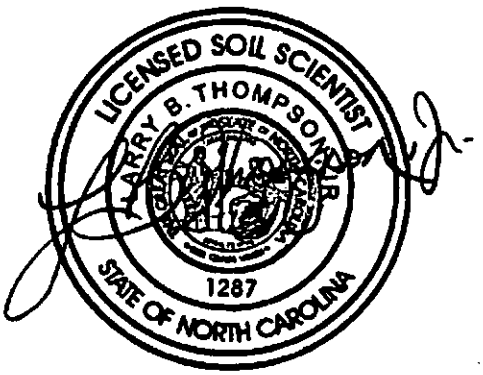
Design Review: JGT 2/13/09 ☒

Field Review: [signature] 2/17/09 ☒

*Projects are not considered "APPROVED" until both sections above are completed and indicate an APPROVED status.

Prepared for:

Mr. Bill Foster
9828 Thorn Ridge Drive
Indian Trail, NC 28079



Prepared by:

Larry Thompson, RS, PWS, LSS
Thompson Environmental Consulting, Inc.
114 Orchard Ridge Road
Locust, NC 28097-8748
Phone: 704-301-4881
Fax: 704-888-1496
info@thompsonenv.com



CC: Mr. David Cornelius, RS
Mecklenburg County Environmental Health

Details

In an application for an Improvement Permit filed with the Mecklenburg County Health Department (MCHD) by Mr. Bill Foster, the subject property was proposed to be developed with a single family 3-bedroom residence served by a private well. Based upon this information, a soil and site evaluation was conducted by the MCHD where the 0.867 acre lot was determined to be "Unsuitable" for the installation of a subsurface wastewater treatment and disposal system in accordance with the *Laws and Rules for Sewage Treatment, and Disposal Systems* 15A NCAC 18A .1900 (North Carolina Department of Environment and Natural Resources, Division of Environmental Health, On-Site Wastewater Section).

In June 2007, Mr. Foster contracted with Thompson Environmental Consulting, Inc. (TEC) to assist in the development of an on-site wastewater treatment and disposal system proposal that might allow for the construction of a 3-bedroom residence. Based upon an investigation performed by TEC it was determined that a sufficient amount of "Suitable" Group IV soils were available for the installation of a shallow placed Type III innovative system for a 3-bedroom residence (lot does not require a 100 percent repair area).

Since that time, Mr. Foster has determined that the proposed house site was unsuitable and he has requested that TEC redesign the septic system based upon a revised house site. Mr. Foster would like to request that the modified site plan be approved based upon the following proposal.

Location

The subject property is located in Hillandale subdivision (Lot 32 – Hillandale) near the town of Mint Hill, North Carolina. From Mint Hill, travel southeast on NC 218, turn left onto Brief Road, left onto Vagabond Road and right onto Russet Place. Lot 32 is located straight ahead in the cul-de-sac.

References

Laws and Rules for Sewage Treatment and Disposal Systems, 15A NCAC 18A, Section .1900, Department of Environment and Natural Resources, Division of Environmental Health, On-Site Wastewater Section, August 2007.

Onsite Wastewater Treatment and Disposal Systems; EPA 625/R-00/008 Design Manual, February 2002.

Accepted Wastewater System No. AWWS-05-01; North Carolina Department of Environment and Natural Resources, Division of Environmental Health, On-Site Wastewater Section, April 2, 2005.

Accepted Wastewater System No. AWWS-05-02-R1; North Carolina Department of Environment and Natural Resources, Division of Environmental Health, On-Site Wastewater Section, April 2, 2005.

Plans and Specifications

Septic Tank

- The septic tank shall be State approved (Section .1953 of 15A NCAC 18A), watertight, structurally sound, and 1500 gallons in capacity.
- The septic tank will be fitted with an approved effluent filter and riser for easy access and periodic maintenance.
- It is the responsibility of the septic contractor to thoroughly inspect the septic tank prior to accepting delivery to assure that the tank has had time to properly cure and is free of cracks or other structural deficiencies.

Pipes and Fittings

- All discharge piping, connectors and supply lines should be made of SCH 40 PVC.
- All joints must be properly "welded" utilizing the appropriate PVC cement for each application.

Distribution Method

- Wastewater from the septic tank will be directed to a series of "drop boxes" that will feed six (6) drain lines of varying lengths.
- The drop boxes shall be level and watertight.

Drain Field Installation

- The drain field has been previously laid out on-site utilizing metal stemmed flags. Once this area has been approved by the MCHD, the property owner/builder should mark this area and isolate it as much as possible from construction traffic. Prior to the system installation, the septic contractor shall contact the MCHD and the system designer for a preconstruction conference at which time the drain field area will be re-verified.
- Under no circumstances shall any construction take place within the drain field area while the soil is in a wet condition. If the installer has doubts as to whether or not the drain field area is dry enough to begin construction, the MCHD should be contacted for permission to proceed with the installation.
- The specified system is a shallow placed approved accepted system; the **EZ*flow* 1203H** or the **Infiltrator Chamber System** may be used (other innovative systems may be substituted with prior approval by the MCHD).

- The drain field consists of six (6) lateral trenches to be constructed 3 foot wide by varying lengths. There is one (1) 62 foot long drain lines, one (1) 68 foot long drain line, two (2) 56 foot long drain lines, two (2) 43 foot long drain lines.
- The maximum trench depth for this system shall be 19 inches.
- The laterals are to be installed on contour with the land, keeping the individual trench bottoms level from beginning to end.
- The trenches should be left open for the final inspection by the MCHD.

Final Landscaping

- Final cover over the drainfield shall be at least 6 inches deep.
- The drainfield shall be shaped to shed rainwater and be free from low spots.
- The drainfield area should be planted with grass as soon as possible to prevent erosion. The soil should be properly tilled, limed (if necessary) and fertilized prior to planting. After applying grass seed, the area should be heavily mulched with straw or other suitable material.

Utility Conflicts

- The builder and property owner must take special care in planning for water, power, gas, telephone and cable lines. These utilities shall be kept clear of all parts of the septic system and its proposed repair area. Improper planning for underground utilities can negatively impact the installation and, in some cases, cause irreparable damage. If there are any questions regarding preferred routes, contact the MCHD as soon as possible.
- Lawn irrigation should not be placed over the drain field area.

Maintenance

In General

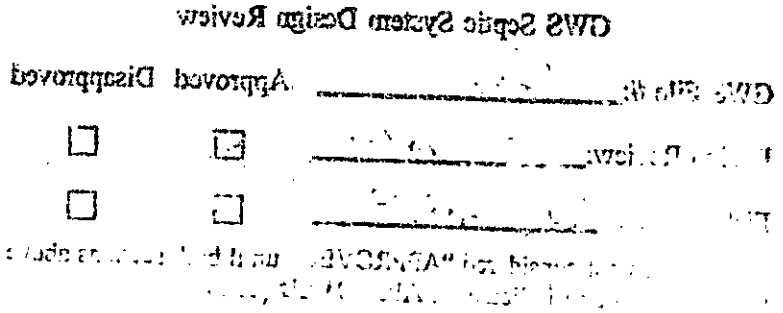
- The septic tank should be pumped every 4 years or when the solids within the septic tank reach an elevation that is equivalent to 25 percent of the volume of the tank. In some situations, the tanks may need to be pumped more frequently. If using a garbage disposal, it is recommended that the homeowner has the septic and pump tanks cleaned out annually.
- When it becomes necessary to clean the effluent filter, the filter should be removed and the accumulated debris washed back into the septic tank – not onto the lawn.
- The drain field area should be maintained to prevent over growth of vegetation. Any damp areas, leakages or malfunctions should be addressed immediately.
- Divert gutter downspouts and surface water runoff away from the septic and pump tanks.

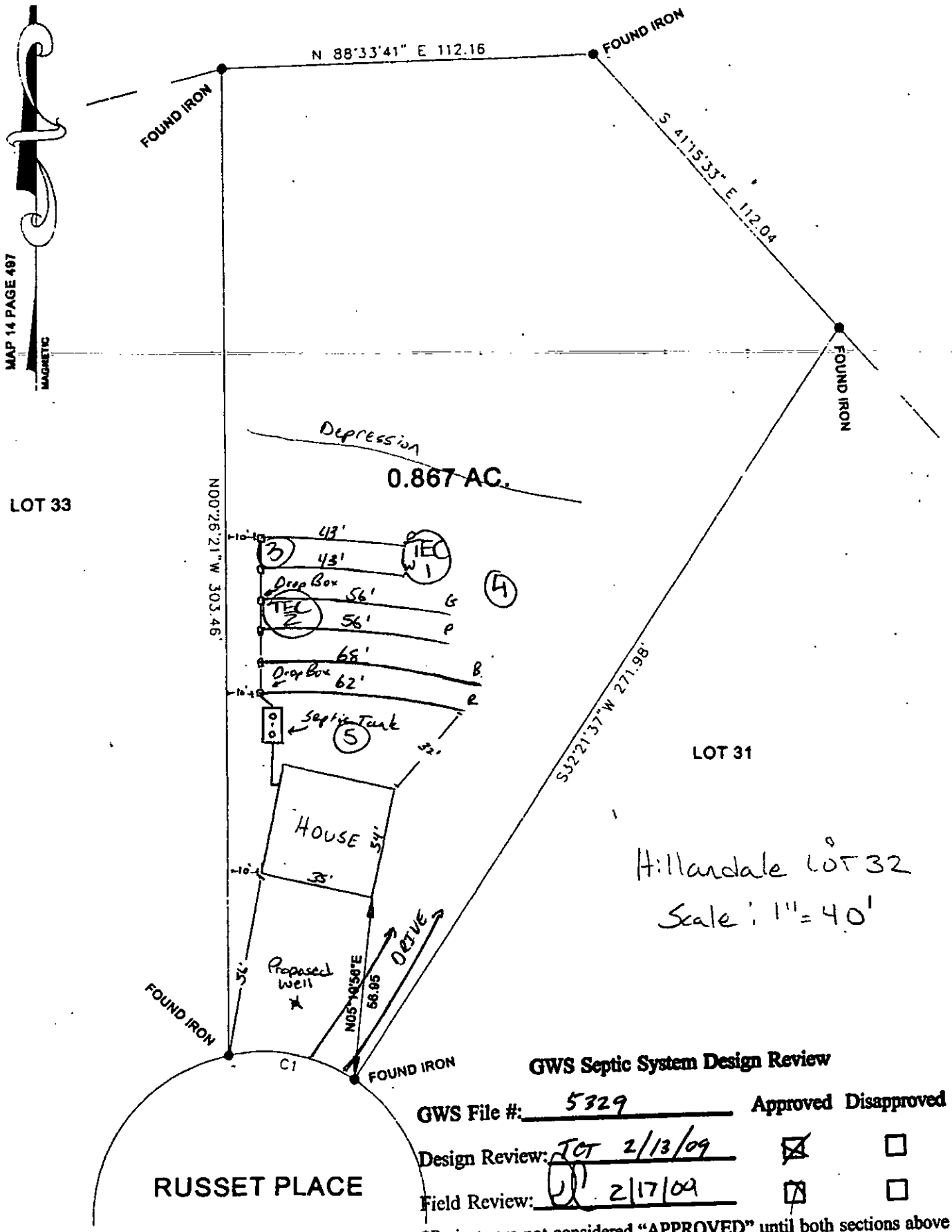
Suggestions to the Homeowner

- As previously mentioned, if you plan to use a garbage disposal in your home you should plan to have your septic and pump tanks cleaned out annually. The ground up garbage adds large amounts of solids into a septic tank that tend to degrade at a very slow rate.
- Grease, cooking oils, coffee grounds and non-degradable solids (disposable diapers, cigarettes and solid paper wastes) should never be put into a septic tank.
- Used motor oil or any oily liquids should not be disposed of in a septic tank.
- Be aware of the amount of water that you are using in your home. Water saving fixtures and devices can be installed on sinks, toilets and showers to reduce the volume of wastewater that you are sending to your drain field.
- Run dishwashers and washing machines only when you have a full load.
- Use liquid detergents. Powdered detergents have binding agents in them that tend to solidify in the wastewater disposal system.
- Repair leaky faucets and toilets. Small drips equal large volumes of water over time and can over burden your drain field.
- Do not use chemical additives in your system. Studies have indicated that they do not increase the biological activity that naturally occurs in the septic system and in some cases certain additives have been found to be detrimental to the life of a system.

Design Specifics

Daily Design Flow:	360 GPD – 3 bedroom house
Septic Tank Size:	1500 gallons (2 compartments)
Effluent Loading Rate:	Design = 0.275 GPD per sq. ft.
Drain Field Type:	EZFlow 1203H or Infiltrator Chamber System
Distribution Method:	Gravity – Drop Boxes
Drain Lines:	(6) 3' Wide x 19" Deep (1) @ 62 Feet Long (1) @ 68 Feet Long (2) @ 56 Feet Long (2) @ 43 Feet Long
	*328 L.F.





GWS Septic System Design Review

		Approved	Disapproved
GWS File #:	5329		
Design Review:	JCT 2/13/09	☒	☐
Field Review:	JCT 2/17/09	☒	☐

*Projects are not considered "APPROVED" until both sections above are completed and indicate an APPROVED status.

Division of Environmental Health
On-site Wastewater Section

Property ID: 139-274-23
Lot #: 32
File #: 5329
AppID: 1597
Code: 2

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: W. R. Foster, Jr.
Applicant:
Address: 9828 Thorn Ridge Drive, Indian Trail, N. C. 28079
Date Evaluated: 11/1/2006
Proposed Facility: Residence
Design Flow (.1949): 360gpd
Property Size: .8a
Location of Site: 10608 Russet Place
Property Recorded:
Water Supply: [ ] Public [x] Individual [x] Well [ ] Spring [ ] Other
Evaluation Method: [x] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	LS, 15	0-6	GR/CL	FR/SEXP/SS/SP	>30" TO SOIL WETNESS	30	N/A	NONE	US, IV
		6-30	SBK/C	FI/SEXP/S/P					.275GPD/FT^2
2	"	0-6	GR/CL	FR/SEXP/SS/SP	>26" TO SOIL WETNESS	26	"	"	US, IV
		6-26	SBK/C	FI/SEXP/S/P					.137GPD/FT^2
(3)	"	0-5	GR/CL	FR/SEXP/SS/SP	>31" TO SOIL WETNESS	31	"	"	US, IV
		5-27	SBK/C	FI/SEXP/S/P					.275GPD/FT^2
		27-31	SBK/CL	FR/SEXP/SS/SP					
4	"	0-5	GR/CL	"	>37" TO SOIL WETNESS	37	"	"	PS, IV
		5-27	SBK/C	FI/SEXP/S/P					.275GPD/FT^2
		27-37	SBK/CL	FR/SEXP/SS/SP					

Description	Initial System	Repair System
Available Space (.1945)	PS	NA
System Type(s)	IIIg	NA
Site LTAR	.275GPD/FT^2	NA

Other Factors (.1946):
Site Classification (.1948): Provisionally Suitable
Evaluated By: W. R. Marlin, LSS, 11/2/2006.
Others Present:

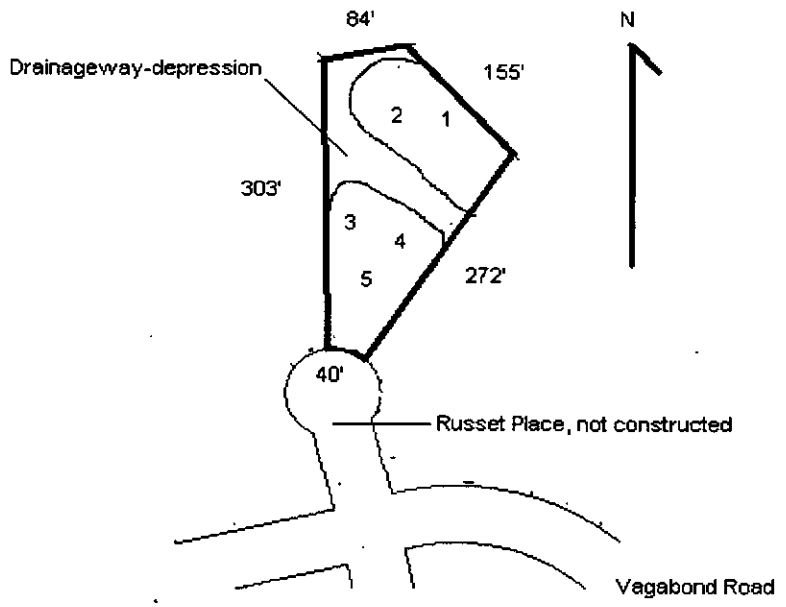
Site Evaluation: David Cornelius, RS

Does not require 100% repair, lot spot-checked 11/1/06

Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		M-Massive
LS-Linear Slope				CR-Crumb
FS-Foot Slope	II	SL-Sandy Loam	0.8 - 0.6	GR-Granular
NS-Nose Slope		L-Loam		SBK-Subangular Blocky
HS-Head Slope				ABK-Angular Blocky
CC-Concave Slope	III	SI-Silt	0.6 - 0.3	PL-Platy
CV-Convex Slope		SICL-Silty Clay Loam		PR-Prismatic
T-Terrace				
FP-Flood Plain		CL-Clay Loam		
		SCL-Sandy Clay Loam		
	IV	SC-Sandy Clay	0.4 - 0.1	
		SIC-Silty Clay		
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	NS-Non-Sticky	SEXP-Slightly Expansive
FR-Friable	SS-Slightly Sticky	EXP-Expansive
FI-Firm	S-Sticky	
VFI-Very Firm	VS-Very Sticky	
EFI-Extremely Firm	NP-Non-Plastic	
	SP-Slightly Plastic	
	P-Plastic	
	VP-Very Plastic	

Sketch of Soil Evaluation Locations



Thompson Environmental Consulting, Inc.
114 Orchard Ridge Road
Locust, NC 28097-8748
704-301-4881

SHEET 1 OF 1

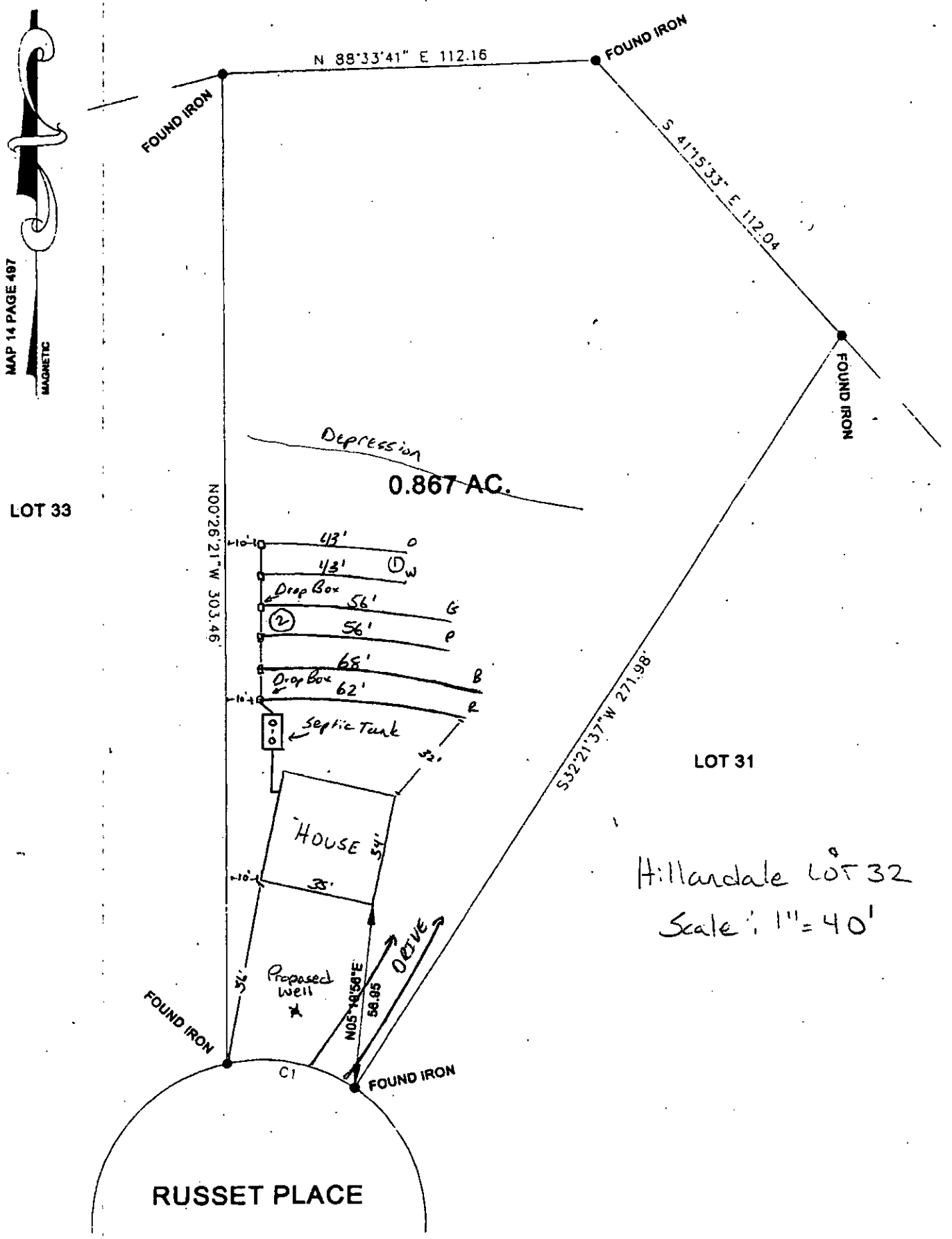
COUNTY: Mecklenburg
TAX ID: 139-274-23

OWNER: W. R. Foster, Jr.
LOCATION: Lot 32 - Hillandale

DATE: January 22, 2009

PROFILES		SB-1	SB-2								
LANDSCAPE POSITION	.1940	ls	ls								
SLOPE (%)	.1940	15%	15%								
HORIZON 1 DEPTH	.1943	0-8	0-5								
TEXTURE	.1941 (a)(1)	scl	scl								
CONSISTENCE	.1941	fr	fr								
STRUCTURE	.1941 (a)(2)	gr	gr								
CLAY MINERALOGY	.1941 (a)(3)	se	se								
HORIZON 2 DEPTH	.1943	8-38	5-32								
TEXTURE	.1941 (a)(1)	c	c								
CONSISTENCE	.1941	fi	fi								
STRUCTURE	.1941 (a)(2)	sbk	sbk								
CLAY MINERALOGY	.1941 (a)(3)	se	se								
HORIZON 3 DEPTH	.1943										
TEXTURE	.1941 (a)(1)										
CONSISTENCE	.1941										
STRUCTURE	.1941 (a)(2)										
CLAY MINERALOGY	.1941 (a)(3)										
HORIZON 4 DEPTH	.1943										
TEXTURE	.1941 (a)(1)										
CONSISTENCE	.1941										
STRUCTURE	.1941 (a)(2)										
CLAY MINERALOGY	.1941 (a)(3)										
SOIL WETNESS	.1942										
RESTRICTIVE HORIZON	.1944										
SAPROLITE	.1943/.1956	38	32								
CLASSIFICATION	.1948	ps	ps								
L.T.A.R. (gpd/ft^2)	.1955	0.275	0.275								

OTHER FACTORS (.1946):		**SITE LTAR (gpd/ft^2):**	**0.275**
AVAILABLE SPACE (.1945):	provisionally suitable		
SITE CLASSIFICATION (.1948):	provisionally suitable	SYSTEM TYPE:	accepted
EVALUATED BY:	Larry Thompson	OTHERS PRESENT:	
COMMENTS:	Lot does not require 100% repair. Borings were to verfiy original soil report prepared by W.R. Marlin, LSS on 11/01/06.		


MAP 14 PAGE 497
MAGNETIC
N 88°33'41" E 112.16
FOUND IRON
FOUND IRON
S 41°15'33" E 112.04
FOUND IRON
Depression
0.867 AC.
LOT 33
N00°26'21"W 303.46'
43'
43'
Drop Box
56'
56'
68'
Drop Box
62'
Septic Tank
52'
HOUSE
54'
35'
10'
10'
LOT 31
S32°21'37"W 271.98'
Hillandale LOT 32
Scale: 1" = 40'
Proposed Well
N05°48'58"E
58.85
DRIVE
54'
FOUND IRON
C1
FOUND IRON
RUSSET PLACE

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

IMPROVEMENT PERMIT for a RESIDENTIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: **30004069** GWS File #: **5329** Tax Parcel #: **139-274-23**

- This IMPROVEMENT PERMIT is subject to revocation if site plans or the intended use change. There is to be **NO** grading, filling, or disturbance of the soil in the area of the septic tank system or repair area.
- CONSTRUCTION AUTHORIZATION must be obtained prior to receiving a Building Permit. The Construction Authorization is **NOT** transferable. Do not clear, grade, fill or disturb soil prior to obtaining a Construction Authorization.
- Domestic-type wastewater only. No industrial process wastewater may be discharged into the system.

I. This Improvement Permit Shall: Expire in Five (5) Years **Expiration Date (If Applicable):** 2/18/2014

Type of Installation: Residential - Modified Plot Plan Lot Number: 32

Structure Type: HOUSE Size (ft^2): 0 # Bedrooms: 3 # Occupants: 6

Building Foundation: Crawl Space Water Supply: Private Well

II. Initial System Type: Innovative **System Classification:** IIIb

Initial System Specifications:

Design Flow (gpd):	360	LTAR (gpd/ft^2):	0.275	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	982	Total Trench Length (ft):	327
Maximum Trench Depth (in):	19	Depth of Media (in):	N/A	Distribution Device:	Drop Boxes		

III. Repair System Type: N/A **System Classification:** N/A

Repair System Specifications:

Design Flow (gpd):	0	LTAR (gpd/ft^2):	0.275	Septic Tank Size (gal):	0	Pump Tank Size (gal):	0
Trench Width (ft):	0	Trench Spacing (ft):	0	Absorption Area (ft^2):	0	Total Trench Length (ft):	0
Maximum Trench Depth (in):	0	Depth of Media (in):	0	Distribution Device:	N/A		

IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department is issuing an IMPROVEMENT PERMIT for the above referenced property. This permit is being issued in accordance with the *Laws and Rules For Sewage Treatment, and Disposal Systems* and is subject to the following provisions:

- No work shall be conducted on the septic system until an INSTALLATION APPROVAL is granted by the Department.
- The septic system installer shall be a registered septic contractor with Mecklenburg County Health Department.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

DENR Authorized Agent: David Cornelius Owner/Legal Agent: _____
Print Name

Signature: _____ Signature: _____

Date Issued: 2/18/2009

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

IMPROVEMENT PERMIT for a RESIDENTIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: **30004069** GWS File #: **5329**

IV. Permit Conditions/Comments:

- This type of septic system requires an inspection once every 5 years by our office. The system owner is responsible for any fees, as determined by the Mecklenburg County Board of Commissioners, associated with this inspection.
- Additional soil cover, as specified on the plot plan, required over the drain field must be inspected and approved prior to issuance of an Operation Permit.
- 100% repair area is not required for this property. However, the maximum feasible area shall be allocated for a repair area.
- The septic system shall be installed in accordance with the plans submitted by the wastewater system design consultant.
- All components of the septic system must be installed in accordance with the required setbacks listed on the corresponding plot plan.
- All components of the septic system must be located at least 100 ft. (50 ft. minimum) from all private wells.
- The invert of the sewer pipe exiting the structrue should be kept as high as possible in order to achieve gravity flow to the drain field. A dosing tank will be required if gravity flow to the drain field can not be achieved.
- Flow from all gutters and downspouts shall be directed not to discharge water onto or across any part of the septic system.
- Foundation drains shall be constructed not to discharge water onto or across any part of the septic system.
- The septic system shall be located at least 10 feet from any foundation drain.
- Install according to plans on file submitted by Larry Thompson. A full set of house plans must be on file before construction authorization will be issued.

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department is issuing an IMPROVEMENT PERMIT for the above referenced property. This permit is being issued in accordance with the *Laws and Rules For Sewage Treatment and Disposal Systems* and is subject to the following provisions:

- No work shall be conducted on the septic system until an INSTALLATION APPROVAL is granted by the Department.
- The septic system installer shall be a registered septic contractor with Mecklenburg County Health Department.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

DENR Authorized Agent: David Cornelius

Signature: _____

Date Issued: 2/18/2009

Owner/Legal Agent: _____
Print Name

Signature: _____

3624 A1597

GWS – RES. APP 12/04

SEPTIC FEE: 240.00 c/c
DATE: 10/31/06
CRT [ ] 86

PERMIT APPLICATION FOR A RESIDENTIAL SITE IMPROVEMENT PERMIT / CONSTRUCTION AUTHORIZATION FOR ON-SITE WASTEWATER SYSTEM NEW WELL INSTALLATION OR REPAIR OF EXISTING WELL MECKLENBURG COUNTY GROUNDWATER & WASTEWATER SERVICES

WELL FEE:
DATE:
CRT [ ]

FILE # 5329

SEPTIC / TYPE APPLICATION: ☐ NONE ☑ NEW SYSTEM EXISTING SYSTEM: ☐ EXPANSION/ALTERATION ☐ REPAIR

WELL / TYPE APPLICATION: ☐ NONE ☑ NEW WELL ☐ MAJOR REPAIR ☐ ABANDONMENT 5329

JOB LOCATION INFORMATION:

TAX/PARCEL #: 139-274-23
STREET ADDRESS: ~~[illegible]~~ Russet Place 10608
CITY: Meck. Co.
STATE: NC ZIP:
SUBDIVISION OR MOBILE HOME PARK NAME: Hillandale
LOT #: 32
TOWNSHIP:

☑ 0-MECKLENBURG ☐ 4-PINEVILLE
☐ 1-CHARLOTTE ☐ 5-MATTHEWS
☐ 2-DAVIDSON ☐ 6-HUNTERSVILLE
☐ 3-CORNELIUS ☐ 7-MINT HILL

BUILDING INFORMATION:

TYPE OF BUILDING:

☐ SINGLE MOBILE HOME (S) ☐ MODULAR HOME (M)
☐ DOUBLE WIDE (D) ☐ MULTIPLE FAMILY (U)
☑ HOUSE (H) ☐ OTHER

HEATED SQUARE FOOTAGE: 1100
NUMBER OF BEDROOMS: 3
NUMBER OF OCCUPANTS:

FOUNDATION FOR RESIDENCE:

☐ CONCRETE SLAB ☐ BASEMENT WITH PLUMBING
☐ CRAWLSPACE ☐ BASEMENT WITH NO PLUMBING

IF PLANNING TO EXPAND/ALTER THE EXISTING SYSTEM INDICATE THE FOLLOWING CHANGES:

NUMBER OF BEDROOMS TO BE ADDED: NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE:
WILL THERE BE A HOME BUSINESS IN THE RESIDENCE? ☐ YES ☐ NO TYPE:

WATER SUPPLY:

☐ MUNICIPAL (M) ☐ PUBLIC (C) ☑ PRIVATE WELL (P) ☐ SHARED WELL (S) ☐ OTHER 'SPRINGS' (O)

PROPOSED USE OF WELL: ☐ N/A ☐ IRRIGATION ☑ POTABLE ☐ GEOTHERMAL ☐ OTHER

ARE ANY OF THE FOLLOWING LOCATED ON THE PROPERTY? IF SO, PLEASE SHOW LOCATION ON SITE PLAN/PLAT.

BURIED CABLES, LANDFILLS, STUMPHOLES	☐ YES	☐ NO	WELLS, SPRINGS, OR WATER LINES	☐ YES	☐ NO
EXISTING WASTEWATER SYSTEMS	☐ YES	☐ NO	DESIGNATED WETLANDS	☐ YES	☐ NO
EASEMENTS OR RIGHT-OF-WAYS	☐ YES	☐ NO	GRADING/SOIL REMOVAL PERFORMED	☐ YES	☐ NO

PROPERTY OWNER:

NAME: W.R. Foster. Jr.
ADDRESS: 9828 Thorn Ridge Dr.
CITY: Indian Trail
STATE: NC ZIP: 28079
HOME PHONE: WORK PHONE:
MOBILE PHONE: 704-254-4011 FAX:

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME:
ADDRESS:
CITY:
STATE: ZIP:
HOME PHONE: WORK PHONE:
MOBILE PHONE: FAX:

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? 1965

WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY?

*An Improvement Permit is subject to suspension or revocation if site plans or the intended use change or if information submitted in this application is falsified or changed. The undersigned, owner, or legal agent for the owner, of the property described above as the "Job Location" has read the foregoing application, acknowledges that the contents of same are true, and authorizes the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

W.R. Foster, Jr.
Owner's/Agent's Signature Date

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT & NATURAL RESOURCES DIVISION
OF ENVIRONMENTAL HEALTH ON-SITE
WASTEWATER SECTION

*A Well Permit is subject to suspension or revocation if site plans or the intended use change or if information submitted in this application is falsified or changed. The undersigned, owner, or legal agent for the owner, of the property described above as the "Job Location" has read the foregoing application, acknowledges that the contents of same are true, and authorizes the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

Owner's/Agent's Signature Date

MECKLENBURG COUNTY HEALTH DEPARTMENT
GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST., SUITE 211
CHARLOTTE, NC 28202
704-336-5103 / FAX: 704-336-6894

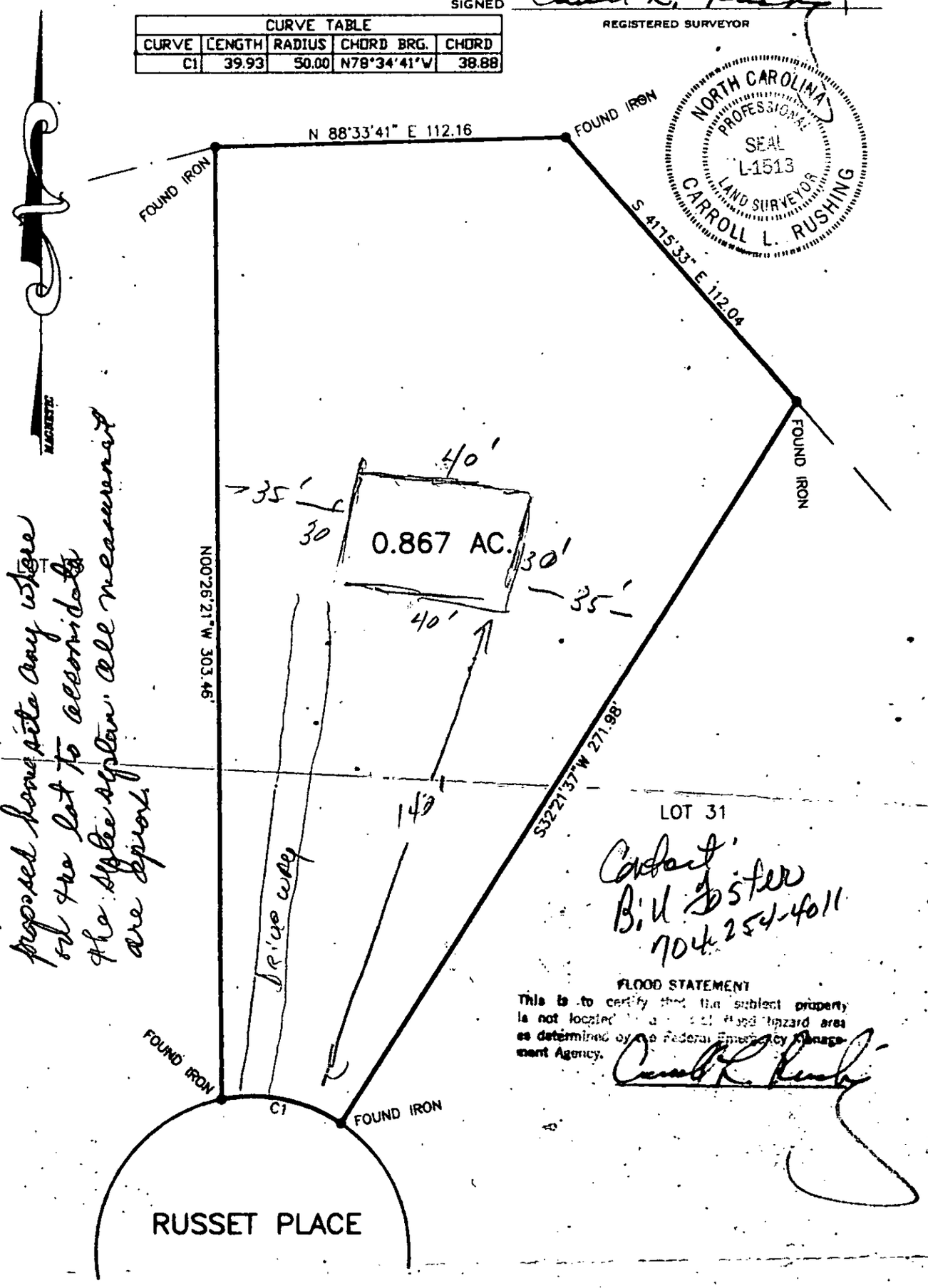
5329

THIS IS TO CERTIFY THAT ON THE 30th DAY OF APR. 20 03 I, SURVEYED THE PROPERTY SHOWN ON THIS PLAT AND THAT THE TITLE LINES AND THE WALLS OF THE BUILDINGS IF ANY ARE SHOWN HEREON.

SIGNED Carroll L. Rushing
REGISTERED SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-1513 LAND SURVEYOR CARROLL L. RUSHING

CURVE TABLE				
CURVE	LENGTH	RADIUS	CHORD BRG.	CHORD
C1	39.93	50.00	N78°34'41"W	38.88



FLOOD STATEMENT

This is to certify that the subject property is not located in a special flood hazard area as determined by the Federal Emergency Management Agency.

Carroll L. Rushing

Parcel Id. 139-274-23

BOUNDARY SURVEY
OF

LOT 32 HILLENDALE ACRES

SCALE 1" = 40' CLEAR CREEK TOWNSHIP MECKLENBURG CO., N.C.

THE PROPERTY OF BILL FOSTER

MAP RECORDED IN BOOK 14 AT PAGE 497 DEED RECORDED IN BOOK 5140 PAGE 962

D1-6947

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 1 of 2
Property ID: 139-274-23
Lot #: 32
File #: 5329
AppID: 1597
Code: 2

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: W. R. Foster, Jr.
Applicant:
Address: 9828 Thorn Ridge Drive, Indian Trail, N. C. 28079
Date Evaluated: 11/1/06
Proposed Facility: Residence
Design Flow (.1949): 360gpd
Property Size: .8a
Location of Site: 10608 Russet Place
Property Recorded:
Water Supply: [ ] Public [x] Individual [x] Well [ ] Spring [ ] Other
Evaluation Method: [x] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	LS, 15	0-6	GR/CL	FR/SEXP/SS/SP	>30" TO SOIL WETNESS	30	N/A	NONE	US, IV
		6-30	SBK/C	FI/SEXP/S/P					.275GPD/FT^2
2	"	0-6	GR/CL	FR/SEXP/SS/SP	>26" TO SOIL WETNESS	26	"	"	US, IV
		6-26	SBK/C	FI/SEXP/S/P					.137GPD/FT^2
3	"	0-5	GR/CL	FR/SEXP/SS/SP	>31" TO SOIL WETNESS	31	"	"	US, IV
		5-27	SBK/C	FI/SEXP/S/P					.275GPD/FT^2
		27-31	SBK/CL	FR/SEXP/SS/SP					
4	"	0-5	GR/CL	"	>37" TO SOIL WETNESS	37	"	"	PS, IV
		5-27	SBK/C	FI/SEXP/S/P					.275GPD/FT^2
		27-37	SBK/CL	FR/SEXP/SS/SP					

Description	Initial System	Repair System
Available Space (.1945)	US	
System Type(s)		
Site LTAR	.275GPD/FT^2	

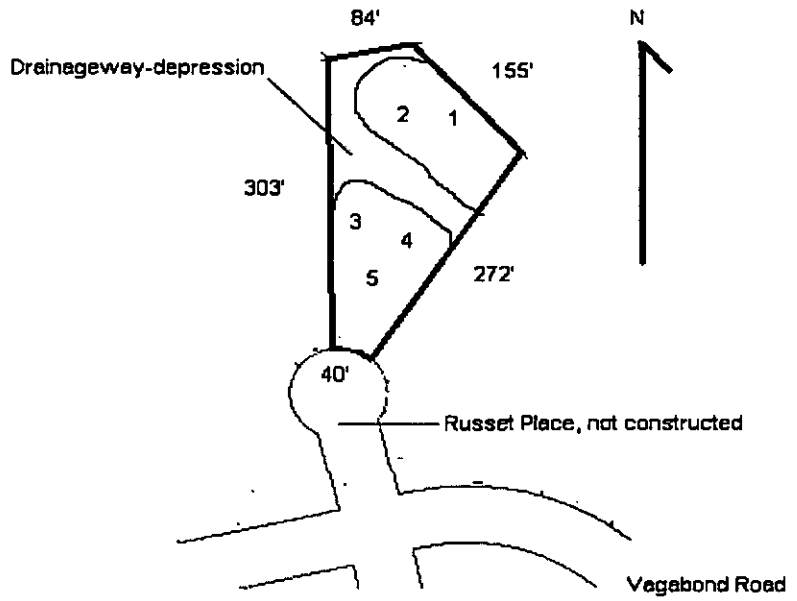
Other Factors (.1946):
Site Classification (.1948): UNSUITABLE
Evaluated By: W. R. Marlin, LSS, 11/2/2006, W. R. Marlin
Others Present:

COMMENTS:
Does not require 100% repair, lot spot-checked 11/1/06

Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		M-Massive
LS-Linear Slope				CR-Crumb
FS-Foot Slope	II	SL-Sandy Loam	0.8 - 0.6	GR-Granular
NS-Nose Slope		L-Loam		SBK-Subangular Blocky
HS-Head Slope				ABK-Angular Blocky
CC-Concave Slope	III	SI-Silt	0.6 - 0.3	PL-Platy
CV-Convex Slope		SICL-Silty Clay Loam		PR-Prismatic
T-Terrace				
FP-Flood Plain		CL-Clay Loam		
		SCL-Sandy Clay Loam		
	IV	SC-Sandy Clay	0.4 - 0.1	
		SIC-Silty Clay		
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	NS-Non-Sticky	SEXP-Slightly Expansive
FR-Friable	SS-Slightly Sticky	EXP-Expansive
FI-Firm	S-Sticky	
VFI-Very Firm	VS-Very Sticky	
EFI-Extremely Firm	NP-Non-Plastic	
	SP-Slightly Plastic	
	P-Plastic	
	VP-Very Plastic	

Sketch of Soil Evaluation Locations



MECKLENBURG COUNTY
Health Department

November 9, 2006

W.R. Foster Jr.
9828 Thorn Ridge Drive
Indian Trail NC 28079

Re: Application for improvement permit for:
Property Site: 10608 Russett Place
Health Department file number: **5329**

Dear Property Owner or Owner's Agent:

The Mecklenburg County Health Department, Environmental Health Division on November 2, 2006 evaluated the above-referenced property at the site designated on the site plan that accompanied your improvement permit application. According to your application the site is to serve a three bedroom home, with a daily design flow of 360 gallons per day. The evaluation was done in accordance with the laws and rules governing wastewater systems in North Carolina General Statute 130A-333 and related statutes and Title 15A, Subchapter 18A, of the North Carolina Administrative Code, Rule .1900 and related rules.

Based on the criteria set out in Title 15A, Subchapter 18A, of the North Carolina Administrative Code, Rules .1940 through .1948, the evaluation indicated that the site is **UNSUITABLE** for a ground absorption sewage system. Therefore, your request for an improvement permit is **DENIED.** A copy of the site evaluation is enclosed. The site is unsuitable based on the following:

- ☐ Unsuitable soil topography and/or landscape position (Rule .1940)
- ☐ Unsuitable soil characteristics (structure or clay mineralogy) (Rule .1941)
- ☒ Unsuitable soil wetness condition (Rule .1942)
- ☒ Unsuitable soil depth (Rule .1943)
- ☐ Presence of restrictive horizon (Rule .1944)
- ☐ Insufficient space for septic system and repair area (Rule .1945)
- ☐ Unsuitable for meeting required setbacks (Rule .1950)
- ☐ Other (Rule .1946)

These severe soil or site limitations could cause premature system failure, leading to the discharge of untreated sewage on the ground surface, into surface waters, directly to ground water or inside your structure.

The site evaluation included consideration of possible site modifications, and modified, innovative or alternative systems. However, the Health Department has determined that none of the above options will overcome the severe conditions on this site. A possible option might be a system designed to dispose of sewage to another area of suitable soil or off-site to additional property.

For the reasons set out above, the property is currently classified **UNSUITABLE,** and an improvement permit shall not be issued for this site in accordance with Rule .1948 (c).

However, the site classified as **UNSUITABLE** may be classified as **PROVISIONALLY SUITABLE** if written documentation is provided that meets the requirements of Rule .1948(d). A copy of this rule is enclosed. You may hire a consultant to assist you if you wish to try to develop a plan under which your site could be reclassified as **PROVISIONALLY SUITABLE.**

You have a right to an informal review of this decision. You may request an informal review by the soil scientist or environmental health supervisor at the local health department. You may also request an informal review by the N. C. Department of Environment and Natural Resources regional soil specialist. A request for informal review must be made in writing to the local health department.

You also have a right to a formal appeal of this decision. To pursue a formal appeal, you must file a petition for a contested case hearing with the Office of Administrative Hearings, 6714 Mail Center, Raleigh, NC 27699-6714. To get a copy of a petition form, you may write the Office of Administrative Hearings or call the office at (919) 733-0926 or from the OAH web site at www.oah.state.nc.us/form.htm. The petition for a contested case hearing must be filed in accordance with the provision of North Carolina General Statutes 130A-24 and 150B-23 and all other applicable provisions of Chapter 150B. N. C. General Statue 130A-335(g) provides that your hearing would be held in the county where your property is located.

Please note: If you wish to pursue a formal appeal, you must file the petition form with the Office of Administrative Hearings **WITHIN 30 DAYS OF THE DATE OF THIS LETTER.** The date of this letter is November 9, 2006. Meeting the 30-day deadline is critical to your right to a formal appeal. Beginning a formal appeal within 30 days will not interfere with any informal review that you might request. Do not wait for the outcome of any informal review if you wish to file a formal appeal.

If you file a petition for a contested case hearing with the Office of Administrative Hearings, you are required by law (N.C. General Statute 150B-23) to send a copy of your petition to the North Carolina Department of Environment and Natural Resources. Send the copy to: Office of General Counsel, N. C. Department of Environment and Natural Resources, 1601 Mail Service Center, Raleigh, NC. 27699-1601. Do **NOT** send the copy of the petition to your local health department. Sending a copy of your petition to the local health department will **NOT** satisfy the legal requirement in N.C. General Statute 150B-23 that you send a copy to the Office of General Counsel, NCDENR.

You may call or write the local health department if you need any additional information or assistance.

Sincerely,

David Cornelius, R.S.
Authorized Agent - DENR

Encl: (2)

GWS Septic System Design Review

GWS File #: 5329 Approved ☐ Disapproved ☐

Design Review: JCT 6-11-07 ☒

Field Review: [illegible] 6/13/07 ☒

*Projects are not considered "APPROVED" until both sections above are completed and indicate an APPROVED status

RECEIVED
JUN 0 7 2007
LUESA

Residential Subsurface Wastewater Treatment and Disposal System Design

for

Lot 32 – Hillandale
10608 Russet Place
Mint Hill, North Carolina

FILE # 5329

Tax Parcel # 139-274-23
June 4, 2007

Prepared for:

Mr. Bill Foster
9828 Thorn Ridge Drive
Indian Trail, NC 28079

Prepared by:

Larry Thompson, RS, PWS, LSS
Thompson Environmental Consulting, Inc.
114 Orchard Ridge Road
Locust, NC 28097-8748
Phone: 704-301-4881
Fax: 704-888-1496
info@thompsonenv.com

LICENSED SOIL SCIENTIST
LARRY B. THOMPSON, JR.
1287
STATE OF NORTH CAROLINA

NORTH CAROLINA
REGISTERED
SEAL
1208
SANITARIAN
LARRY B. THOMPSON, JR.

CC: Mr. David Cornelius, RS
Mecklenburg County Environmental Health

File No. 5329

Details

In an application for an Improvement Permit filed with the Mecklenburg County Health Department (MCHD) by Mr. Bill Foster, the subject property was proposed to be developed with a single family 3-bedroom residence served by a private well. Based upon this information, a soil and site evaluation was conducted by the MCHD where the 0.867 acre lot was determined to be "Unsuitable" for the installation of a subsurface wastewater treatment and disposal system in accordance with the *Laws and Rules for Sewage Treatment, and Disposal Systems* 15A NCAC 18A .1900 (North Carolina Department of Environment and Natural Resources, Division of Environmental Health, On-Site Wastewater Section).

Since the original investigation, Mr. Foster contracted with Thompson Environmental Consulting, Inc. (TEC) to assist in the development of an on-site wastewater treatment and disposal system proposal that might allow for the construction of a 3-bedroom residence. Based upon an investigation performed by TEC it was determined that a sufficient amount of "Suitable" Group IV soils are available for the installation of a shallow placed Type III innovative system for a 3-bedroom residence (lot does not require a 100 percent repair area). It is the desire of the owner that the MCHD consider reclassifying this lot as "Provisionally Suitable", allowing for the issuance of a Construction Authorization, based upon the following proposal.

Location

The subject property is located in Hillandale subdivision (Lot 32 – Hillandale) near the town of Mint Hill, North Carolina. From Mint Hill, travel southeast on NC 218, turn left onto Brief Road, left onto Vagabond Road and left onto Russet Place. Lot 32 is located on the right in the cul-de-sac.

References

Laws and Rules for Sewage Treatment and Disposal Systems, 15A NCAC 18A, Section .1900, Department of Environment and Natural Resources, Division of Environmental Health, On-Site Wastewater Section, June, 2006.

Onsite Wastewater Treatment and Disposal Systems; EPA 625/R-00/008 Design Manual, February 2002.

Innovative Wastewater System Approval: IWWS-95-3-R3; North Carolina Department of Environment and Natural Resources, Division of Environmental Health, On-Site Wastewater Section, April 18, 2002.

Innovative Wastewater System Approval: IWWS-93-2-R11; North Carolina Department of Environment and Natural Resources, Division of Environmental Health, On-Site Wastewater Section, December 21, 2006.

Plans and Specifications

Septic Tank

- The septic tank shall be State approved (Section .1953 of 15A NCAC 18A), watertight, structurally sound, and 1500 gallons in capacity.
- The septic tank will be fitted with an approved effluent filter and riser for easy access and periodic maintenance.
- It is the responsibility of the septic contractor to thoroughly inspect the septic tank prior to accepting delivery to assure that the tank has had time to properly cure and is free of cracks or other structural deficiencies.

Pipes and Fittings

- All discharge piping, connectors and supply lines should be made of Sch. 40 PVC.
- All joints must be properly "welded" utilizing the appropriate PVC cement for each application.

Distribution Method

- Wastewater from the septic tank will be directed to a distribution box for equal distribution to the (6) six drain lines.
- The distribution box shall be level, watertight, and the flow adjusted (equalized) at the time of the final inspection.

Drain Field Installation

- The drain field has been previously laid out on-site utilizing metal stemmed flags. Once this area has been approved by the MCHD, the property owner/builder should mark this area and isolate it as much as possible from construction traffic. Prior to the system installation, the septic contractor shall contact the MCHD and the system designer for a preconstruction conference at which time the drain field area will be re-verified.
- Under no circumstances shall any construction take place within the drain field area while the soil is in a wet condition. If the installer has doubts as to whether or not the drain field area is dry enough to begin construction, the MCHD should be contacted for permission to proceed with the installation.
- The specified system is a Type III Innovative system the **EZ*flow* 1203H** or the **Infiltrator Chamber System** may be used (other innovative systems may be substituted with prior approval by the MCHD).
- The drain field consists of (6) lateral trenches to be constructed 3 foot wide by 54 feet in length.
- The maximum trench depth for this system shall be 19 inches.
- The laterals are to be installed on contour with the land, keeping the individual trench bottoms level from beginning to end.
- The trenches should be left open for the final inspection by the MCHD.

Final Landscaping

- The drain field shall be shaped to shed rainwater and be free from low spots.
- The drain field area should be planted with grass as soon as possible to prevent erosion. The soil should be properly tilled, limed (if necessary) and fertilized prior to planting. After applying grass seed, the area should be heavily mulched with straw or other suitable material.

Utility Conflicts

- The builder and property owner must take special care in planning for water, power, gas, telephone and cable lines. These utilities shall be kept clear of all parts of the septic system and its proposed repair area. Improper planning for underground utilities can negatively impact the installation and, in some cases, cause irreparable damage. If there are any questions regarding preferred routes, contact the MCHD as soon as possible.
- Lawn irrigation should not be placed over the drain field area.

Maintenance

In General

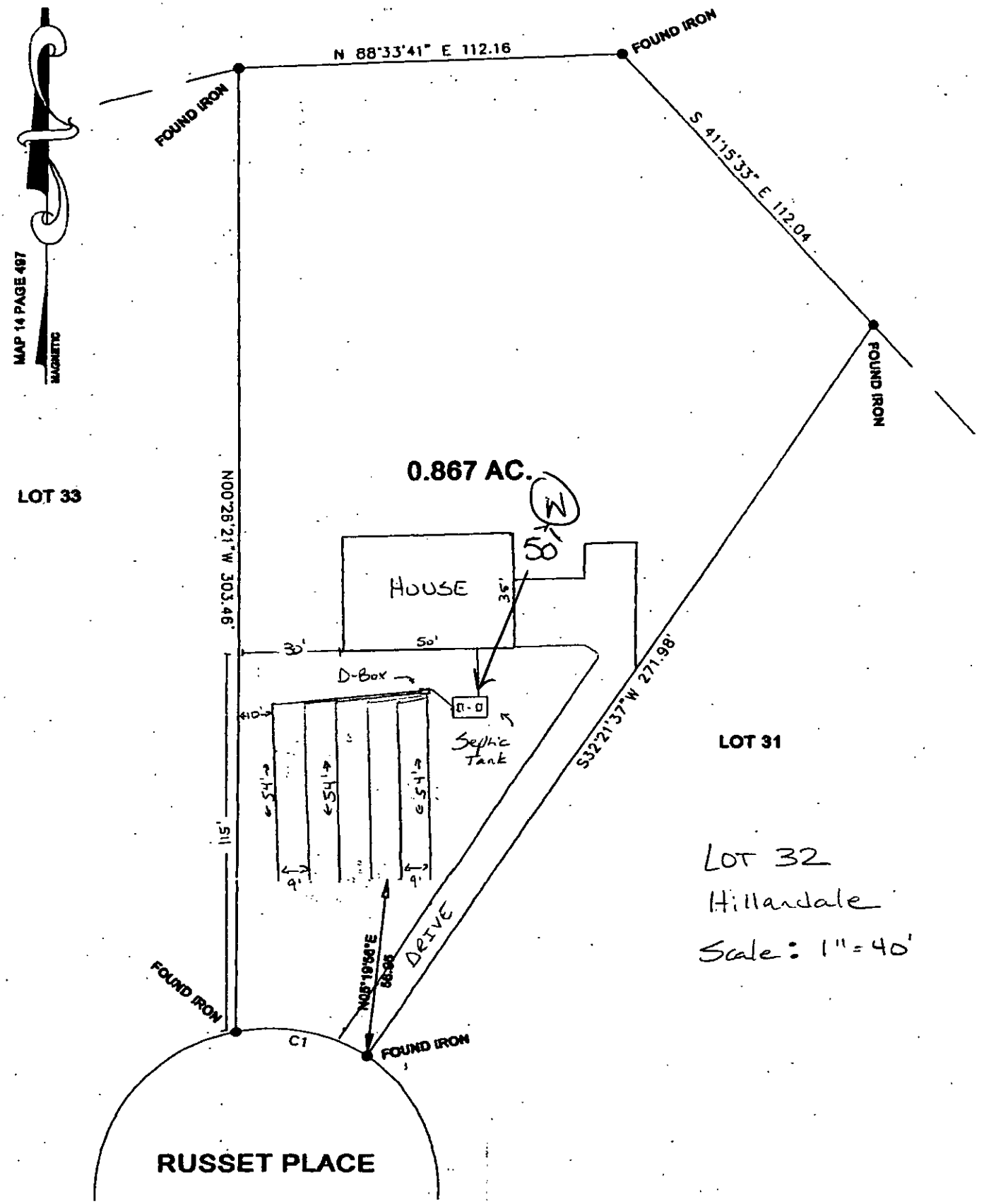
- The minimum inspection/maintenance frequency for a Type III system is once every 5 years by the local health department. However, it is recommended that the homeowner contract with a reputable subsurface system operator to perform an annual maintenance inspection to ensure that the system is operating properly.
- The septic and pump tanks shall be pumped every 4 years or when the solids within the septic tank reach an elevation that is equivalent to 1/3 of the volume of the tank. In some situations, the tanks may need to be pumped more frequently. If using a garbage disposal, it is recommended that the homeowner has the septic and pump tanks cleaned out annually.
- When it becomes necessary to clean the effluent filter, the filter should be removed and the accumulated debris washed back into the septic tank – not onto the lawn.
- All piping and valves should be inspected annually for damage and corrections/repairs made immediately.
- The pump and float controls/switches should be inspected annually to assure proper operation
- The drain field area should be maintained to prevent over growth of vegetation. Any damp areas, leakages or malfunctions should be addressed immediately.
- Divert gutter downspouts and surface water runoff away from the septic and pump tanks.

Suggestions to the Homeowner

- As previously mentioned, if you plan to use a garbage disposal in your home you should plan to have your septic and pump tanks cleaned out annually. The ground up garbage adds large amounts of solids into a septic tank that tend to degrade at a very slow rate.
- Grease, cooking oils, coffee grounds and non-degradable solids (disposable diapers, cigarettes and solid paper wastes) should never be put into a septic tank.
- Used motor oil or any oily liquids should not be disposed of in a septic tank.
- Be aware of the amount of water that you are using in your home. Water saving fixtures and devices can be installed on sinks, toilets and showers to reduce the volume of wastewater that you are sending to your drain field.
- Run dishwashers and washing machines only when you have a full load.
- Use liquid detergents. Powdered detergents have binding agents in them that tend to solidify in the wastewater disposal system.
- Repair leaky faucets and toilets. Small drips equal large volumes of water over time and can over burden your drain field.
- Do not use chemical additives in your system. Studies have indicated that they do not increase the biological activity that naturally occurs in the septic system and in some cases certain additives have been found to be detrimental to the life of a system.

Design Specifics ✓TCT

Daily Design Flow:	360 GPD – 3 bedroom house
Septic Tank Size:	1500 gallons (2 compartments)
Effluent Loading Rate:	Design = 0.275 GPD per sq. ft.
Drain Field Type:	EZFlow 1203H or Infiltrator Chamber System
Distribution Method:	Gravity – Distribution Box
Drain Lines:	(6) 3' W x 54' L x 19" D



LOT 32
Hillandale
Scale: 1" = 40'

Division of Environmental Health
On-site Wastewater Section

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Property ID: 139-274-23
Lot #: 32
File #: 5329
AppID: 1597
Code: 2

Owner: W. R. Foster, Jr.
Applicant:
Address: 9828 Thorn Ridge Drive, Indian Trail, N. C. 28079
Date Evaluated: 11/1/06
Proposed Facility: Residence
Design Flow (.1949): 360gpd
Property Size: .8a
Location of Site: 10608 Russet Place
Property Recorded:
Water Supply: [ ] Public [x] Individual [x] Well [ ] Spring [ ] Other
Evaluation Method: [x] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY 1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	PROFILE FACTORS 1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Saprp. Class	1944 Restr Horiz	Profile Class & LTAR
1	LS, 15	0-6	GR/CL	FR/SEXP/SS/SP	>30" TO SOIL WETNESS	30	N/A	NONE	US, IV .275GPD/FT²
		6-30	SBK/C	FI/SEXP/S/P					
2	"	0-6	GR/CL	FR/SEXP/SS/SP	>26" TO SOIL WETNESS	26	"	"	US, IV .137GPD/FT²
		6-26	SBK/C	FI/SEXP/S/P					
3	"	0-5	GR/CL	FR/SEXP/SS/SP	>31" TO SOIL WETNESS	31	"	"	US, IV .275GPD/FT²
		5-27	SBK/C	FI/SEXP/S/P					
		27-31	SBK/CL	FR/SEXP/SS/SP					
4	"	0-5	GR/CL	"	>37" TO SOIL WETNESS	37	"	"	PS, IV .275GPD/FT²
		5-27	SBK/C	FI/SEXP/S/P					
		27-37	SBK/CL	FR/SEXP/SS/SP					

Description	Initial System	Repair System
Available Space (.1945)	US	
System Type(s)		
Site LTAR	.275GPD/FT²	

Other Factors (.1946):
Site Classification (.1948): UNSUITABLE
Evaluated By: W. R. Martin, LSS, 11/2/2006
Others Present:

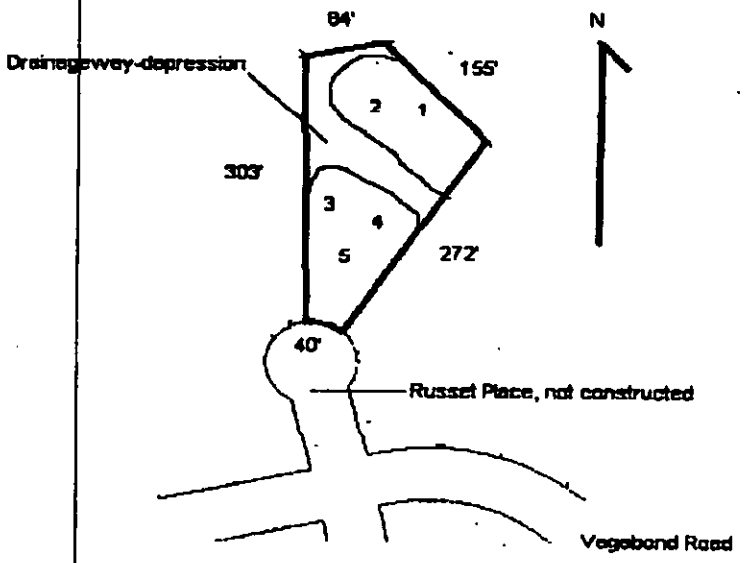
COMMENTS:
Does not require 100% repair, lot spot-checked 11/1/06

FILE #: 5329

Landscape Position	Group	Texture	1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		M-Massive
LS-Linear Slope				CR-Crumb
FS-Foot Slope	II	SL-Sandy Loam	0.8 - 0.6	GR-Granular
NS-Nose Slope		L-Loam		SBK-Subangular Blocky
HS-Head Slope				ABK-Angular Blocky
CC-Concave Slope	III	SI-Silt	0.6 - 0.3	PL-Platy
CV-Convex Slope		SICL-Silty Clay Loam		PR-Prismatic
T-Terrace		CL-Clay Loam		
FP-Flood Plain		SCL-Sandy Clay Loam		
	IV	SC-Sandy Clay	0.4 - 0.1	
		SIC-Silty Clay		
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	NS-Non-Sticky	SEXP-Slightly Expansive
FR-Friable	SS-Slightly Sticky	EXP-Expansive
FI-Firm	S-Sticky	
VFI-Very Firm	VS-Very Sticky	
EFI-Extremely Firm	NP-Non-Plastic	
	SP-Slightly Plastic	
	P-Plastic	
	VP-Very Plastic	

Sketch of Soil Evaluation Locations



Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

IMPROVEMENT PERMIT for a RESIDENTIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: 30001597 GWS File #: 5329 Tax Parcel #: 139-274-23

- This IMPROVEMENT PERMIT is subject to revocation if site plans or the intended use change. There is to be NO grading, filling, or disturbance of the soil in the area of the septic tank system or repair area.
- CONSTRUCTION AUTHORIZATION must be obtained prior to receiving a Building Permit. The Construction Authorization is NOT transferable. Do not clear, grade, fill or disturb soil prior to obtaining a Construction Authorization.
- Domestic-type wastewater only. No industrial process wastewater may be discharged into the system.

I. This Improvement Permit Shall: Expire in Five (5) Years **Expiration Date (If Applicable):** 6/14/2012

Type of Installation: Residential - New System Lot Number: 32

Structure Type: HOUSE Size (ft^2): 1100 # Bedrooms: 3 # Occupants: 3

Building Foundation: Water Supply: Private Well

II. Initial System Type: Innovative **System Classification:** IIIg

Initial System Specifications:

Design Flow (gpd):	360	LTAR (gpd/ft^2):	0.275	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	982	Total Trench Length (ft):	327
Maximum Trench Depth (in):	19	Depth of Media (in):	N/A	Distribution Device:	Distribution Box		

III. Repair System Type: N/A **System Classification:** N/A

Repair System Specifications:

Design Flow (gpd):	0	LTAR (gpd/ft^2):		Septic Tank Size (gal):	0	Pump Tank Size (gal):	0
Trench Width (ft):	0	Trench Spacing (ft):	0	Absorption Area (ft^2):	0	Total Trench Length (ft):	0
Maximum Trench Depth (in):	0	Depth of Media (in):	0	Distribution Device:	N/A		

IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department is issuing an IMPROVEMENT PERMIT for the above referenced property. This permit is being issued in accordance with the *Laws and Rules For Sewage Treatment, and Disposal Systems* and is subject to the following provisions:

- No work shall be conducted on the septic system until an INSTALLATION APPROVAL is granted by the Department.
- The septic system installer shall be a registered septic contractor with Mecklenburg County Health Department.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

DENR Authorized Agent: David Cornelius Owner/Legal Agent: W.R. Foster, JR.
Print Name

Signature: Signature:

Date Issued: 6/14/2007

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

IMPROVEMENT PERMIT for a RESIDENTIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: 30001597 GWS File #: 5329

IV. Permit Conditions/Comments:

- Additional soil cover, as specified on the plot plan, required over the drain field must be inspected and approved prior to issuance of an Operation Permit.
- 100% repair area is not required for this property. However, the maximum feasible area shall be allocated for a repair area.
- This Improvement Permit is being issued based on a supplemental soil investigation performed by staff from our office.
- The septic system shall be installed in accordance with the plans submitted by the wastewater system design consultant.
- All components of the septic system must be installed in accordance with the required setbacks listed on the corresponding plot plan.
- All components of the septic system must be located at least 100 ft. (50 ft. minimum) from all private wells.
- Install according to plans on file submitted by Larry Thompson, June 4, 2007. 5" additional soil cover required, 19" maximum trench depth.

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department is issuing an IMPROVEMENT PERMIT for the above referenced property. This permit is being issued in accordance with the *Laws and Rules For Sewage Treatment and Disposal Systems* and is subject to the following provisions:

- No work shall be conducted on the septic system until an INSTALLATION APPROVAL is granted by the Department.
- The septic system installer shall be a registered septic contractor with Mecklenburg County Health Department.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

DENR Authorized Agent: David Cornelius

Signature: _____

Date Issued: 6/14/2007

Owner/Legal Agent: W.R. Foster, JR.
Print Name

Signature: W.R. Foster

Page 2 of 2

FEE: 200.00
DATE: 10/1/2008

CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 5329

PERMIT NUMBER: 30001597

PARCEL NUMBER: 13927423

JOB LOCATION INFORMATION

ADDRESS: 10608 RUSSET PL

CITY: CHARLOTTE **STATE: NC** **ZIP:** 28227

ISSUED TO: W.R. Foster, Jr.

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 10/1/2008

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30001597, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.

2. AN INSTALLATION APPROVAL MUST BE SECURED PRIOR TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A REGISTERED SEPTIC TANK CONTRACTOR WITH THE MECKLENBURG COUNTY HEALTH DEPARTMENT.

3. ANY ALTERATION IN SITE OR SOIL CONDITIONS (INCLUDING LOCATION OF STRUCTURES AND APPURTENANCES) OR MODIFICATION IN USE, DESIGN WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS AS SPECIFIED IN THE ASSOCIATED IMPROVEMENT PERMIT AND APPLICATION, MAY SUBJECT THIS CONSTRUCTION AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

4. THIS CONSTRUCTION AUTHORIZATION AS PROVIDED IN G.S. 130A-335(f) AND G.S. 130A-336(b) SHALL BE VALID FOR A PERIOD EQUAL TO THE VALIDITY OF THE IMPROVEMENT PERMIT, NOT TO EXCEED 60 MONTHS.
   *CONSTRUCTION AUTHORIZATION EXPIRATION DATE: 6/14/2012

XB97615

SEPTIC FEE: 200.00
DATE: 6/29/05
CRT [ ]

GWS – RES. APP 12/04

PERMIT APPLICATION FOR A RESIDENTIAL SITE IMPROVEMENT PERMIT / CONSTRUCTION AUTHORIZATION FOR ON-SITE WASTEWATER SYSTEM NEW WELL INSTALLATION OR REPAIR OF EXISTING WELL MECKLENBURG COUNTY GROUNDWATER & WASTEWATER SERVICES

WELL FEE:
DATE:
CRT [ ]

FILE # 5329

SEPTIC / TYPE APPLICATION: ☐ NONE ☑ NEW SYSTEM EXISTING SYSTEM : ☐ EXPANSION/ALTERATION ☐ REPAIR

WELL / TYPE APPLICATION: ☐ NONE ☑ NEW WELL ☐ MAJOR REPAIR ☐ ABANDONMENT

JOB LOCATION INFORMATION:

TAX/PARCEL #: 13927423
STREET ADDRESS: 10608 Russet Place
CITY: MINT HILL
STATE: NC ZIP: 28209
SUBDIVISION OR MOBILE HOME PARK NAME:
LOT #:
TOWNSHIP:

☐ 0-MECKLENBURG ☐ 4-PINEVILLE
☐ 1-CHARLOTTE ☐ 5-MATTHEWS
☐ 2-DAVIDSON ☐ 6-HUNTERSVILLE
☐ 3-CORNELIUS ☑ 7-MINT HILL

BUILDING INFORMATION:

TYPE OF BUILDING:

☐ SINGLE MOBILE HOME (S) ☐ MODULAR HOME (M)
☐ DOUBLE WIDE (D) ☐ MULTIPLE FAMILY (U)
☑ HOUSE (H) ☐ OTHER

HEATED SQUARE FOOTAGE:
NUMBER OF BEDROOMS:
NUMBER OF OCCUPANTS:

FOUNDATION FOR RESIDENCE:

☐ CONCRETE SLAB ☐ BASEMENT WITH PLUMBING
☑ CRAWLSPACE ☐ BASEMENT WITH NO PLUMBING

IF PLANNING TO EXPAND/ALTER THE EXISTING SYSTEM INDICATE THE FOLLOWING CHANGES:

NUMBER OF BEDROOMS TO BE ADDED: NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE:
WILL THERE BE A HOME BUSINESS IN THE RESIDENCE? ☐ YES ☑ NO TYPE:

WATER SUPPLY:

☐ MUNICIPAL (M) ☐ PUBLIC (C) ☑ PRIVATE WELL (P) ☐ SHARED WELL (S) ☐ OTHER 'SPRINGS' (O)

PROPOSED USE OF WELL: ☐ N/A ☐ IRRIGATION ☐ POTABLE ☐ GEOTHERMAL ☐ OTHER

ARE ANY OF THE FOLLOWING LOCATED ON THE PROPERTY? IF SO, PLEASE SHOW LOCATION ON SITE PLAN/PLAT.

BURIED CABLES, LANDFILLS, STUMPHOLES	☐ YES	☑ NO	WELLS, SPRINGS, OR WATER LINES	☐ YES	☑ NO
EXISTING WASTEWATER SYSTEMS	☐ YES	☑ NO	DESIGNATED WETLANDS	☐ YES	☑ NO
EASEMENTS OR RIGHT-OF-WAYS	☐ YES	☑ NO	GRADING/SOIL REMOVAL PERFORMED	☐ YES	☑ NO

PROPERTY OWNER:

NAME: Mary C Foster
ADDRESS: 2528 Roswell Ave
CITY: Charlotte
STATE: NC ZIP: 28209
HOME PHONE: WORK PHONE:
MOBILE PHONE: FAX:

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: ANGELO CURCIO
ADDRESS: 1407 LONGLEAF CT
CITY: Weddington
STATE: NC ZIP: 28104
HOME PHONE: 704 846 5521 WORK PHONE:
MOBILE PHONE: 704 622 7580 FAX:

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? COMPLETE CARPENTRY
WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? ACCT B97615

*An Improvement Permit is subject to suspension or revocation if site plans or the intended use change or if information submitted in this application is falsified or changed. The undersigned, owner, or legal agent for the owner, of the property described above as the "Job Location" has read the foregoing application, acknowledges that the contents of same are true, and authorizes the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

Owner's/Agent's Signature Date

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT & NATURAL RESOURCES DIVISION
OF ENVIRONMENTAL HEALTH ON-SITE
WASTEWATER SECTION

*A Well Permit is subject to suspension or revocation if site plans or the intended use change or if information submitted in this application is falsified or changed. The undersigned, owner, or legal agent for the owner, of the property described above as the "Job Location" has read the foregoing application, acknowledges that the contents of same are true, and authorizes the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

Owner's/Agent's Signature Date

MECKLENBURG COUNTY HEALTH DEPARTMENT
GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST., SUITE 211
CHARLOTTE, NC 28202
704-336-5103 / FAX: 704-336-6894

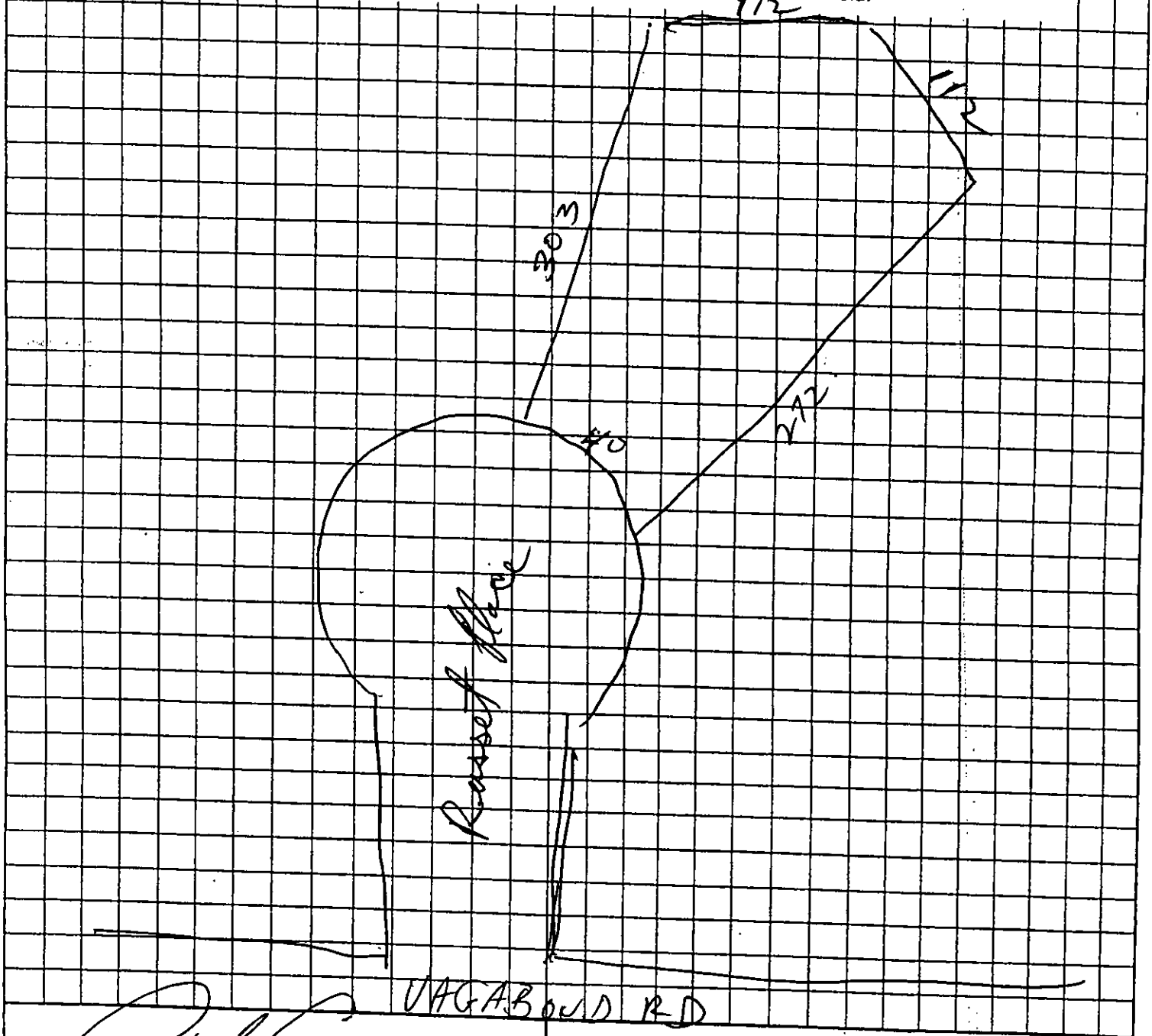
PROPOSED PLOT PLAN

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON STREET
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 5329

TC: _____

Draw in and name all roads adjoining the property. Draw in and accurately dimension the lot concerned. Accurately indicate property boundaries proposed and/or existing structures and driveways, underground utilities, and wells and springs within 100 feet of the proposed building or drainfield.



OWNER/AGENT SIGNATURE

DATE 6/24/05

APPROVAL DATE _____

White - Health Department's Copy

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 1 of 2
Property ID # 139-274-23
Lot #: 32
File #: 5329
Code: 2

ACG

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Mary C. Foster
Address: 2528 Roswell Ave., Charlotte, N. C. 28209
Proposed Facility: Residence Design Flow (.1949): 360gpd
Location of Site: 10608 Russet Place
Water Supply: [ ] Public [x] Individual x [ ] Spring [ ] Other
Evaluation Method: [x] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

Applicant: Angelo Curico
Date Evaluated: 7/8/2005
Property Size: .8a
Property Recorded:

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	OTHER PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	LS, 15	0-6	GR/CL	FR/SEXP/SS/SP	>30" TO SOIL WETNESS	30	N/A	NONE	US, IV
		6-30	SBK/C	FI/SEXP/S/P					.275GPD/FT^2
2	"	0-6	GR/CL	FR/SEXP/SS/SP	>26" TO SOIL WETNESS	26	"	"	US, IV
		6-26	SBK/C	FI/SEXP/S/P					.137 GPD/FT^2
3	"	0-5	GR/CL	FR/SEXP/SS/SP	>31" TO SOIL WETNESS	31	"	"	US, IV
		5-27	SBK/C	FI/SEXP/S/P					.275GPD/FT^2
		27-31	SBK/CL	FR/SEXP/SS/SP					
4	"	0-5	GR/CL	"	>37" TO SOIL WETNESS	37	"	"	PS, IV
		5-27	SBK/C	FI/SEXP/S/P					.275GPD/FT^2
		27-37	SBK/CL	FR/SEXP/SS/SP					

Description	Initial System	Repair System
Available Space (.1945)	US	
System Type(s)		
Site LTAR	.275GPD/FT^2	

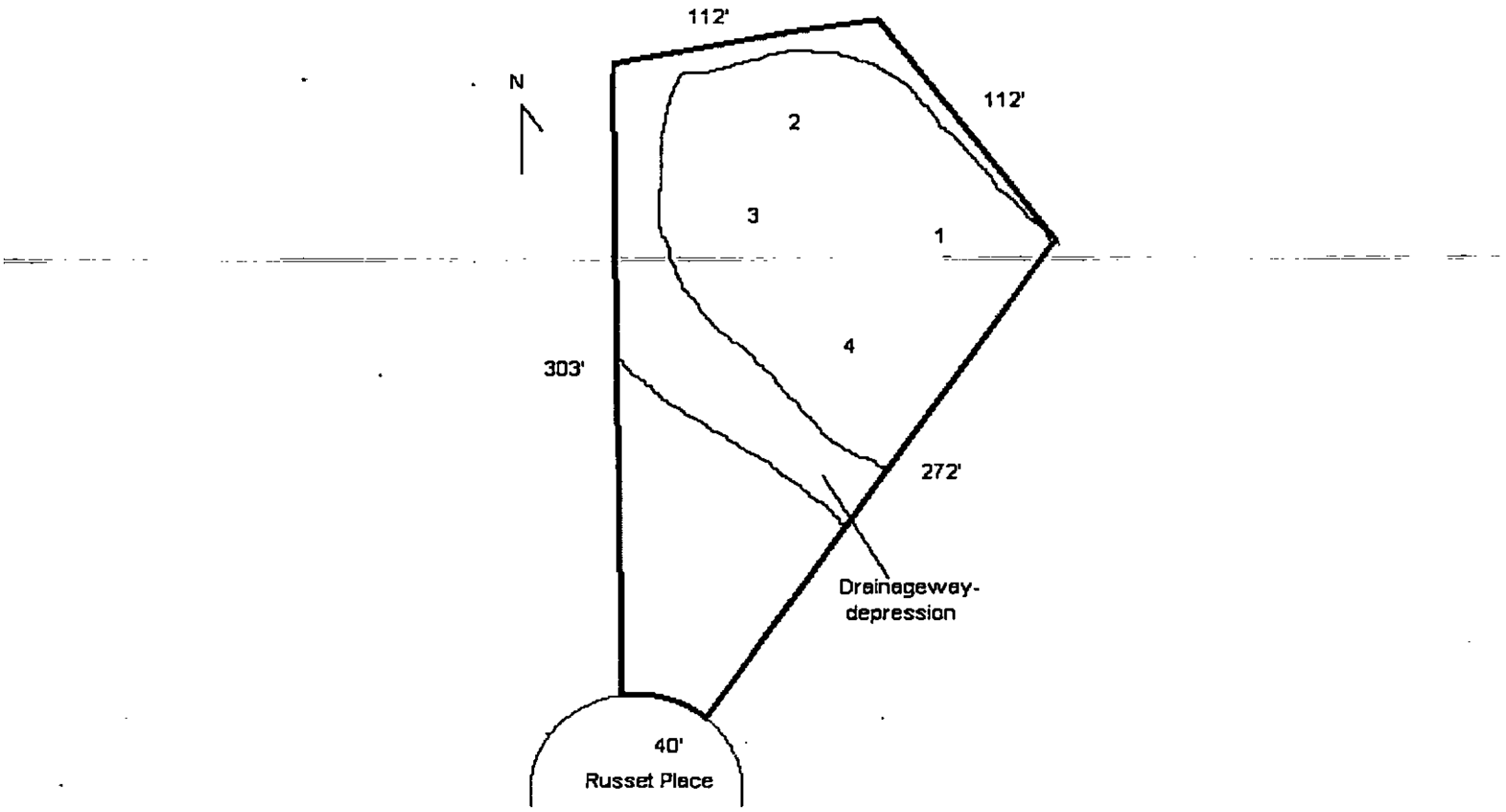
Other Factors (.1946):
Site Classification (.1948): UNSUITABLE
Evaluated By: W. R. Marlin, LSS, 7/11/2005. W. R. Marlin
Others Present:

COMMENTS:
Does not appear to be 100% repair

Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		M-Massive
LS-Linear Slope				CR-Crumb
FS-Food Slope	II	SL-Sandy Loam	0.8 - 0.6	GR-Granular
NS-Nose Slope		L-Loam		SBK-Subangular Blocky
HS-Head Slope				ABK-Angular Blocky
CC-Concave Slope	III	SI-Silt	0.6 - 0.3	PL-Platy
CV-Convex Slope		SICL-Silty Clay Loam		PR-Prismatic
T-Terrace		CL-Clay Loam		
FP-Flood Plain		SCL-Sandy Clay Loam		
	IV	SC-Sandy Clay	0.4 - 0.1	
		SIC-Silty Clay		
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	NS-Non-Sticky	SEXP-Slightly Expansive
FR-Friable	SS-Slightly Sticky	EXP-Expansive
FI-Firm	S-Sticky	
VFI-Very Firm	VS-Very Sticky	
EFI-Extremely Firm	NP-Non-Plastic	
	SP-Slightly Plastic	
	P-Plastic	
	VP-Very Plastic	

Sketch of Soil Evaluation Locations



MECKLENBURG COUNTY
Health Department

July 22, 2005

Angelo Curcio
1407 Longleaf Court
Weddington, NC 28104

Re: Application for improvement permit for
Property Site: 10608 Russet Place
Health Department file number: **5329**

Dear Property Owner or Owner's Agent:

The Mecklenburg County Health Department, Environmental Health Division on **July 15, 2005** evaluated the above-referenced property at the site designated on the plat that accompanied your improvement permit application. According to your application the site is to serve a residence, with a design wastewater flow of 360 gallons per day. The evaluation was done in accordance with the laws and rules governing wastewater systems in North Carolina General Statute 130A-333 and related statutes and Title 15A, Subchapter 18A, of the North Carolina Administrative Code, Rule .1900 and related rules.

Based on the criteria set out in Title 15A, Subchapter 18A, of the North Carolina Administrative Code, Rules .1940 through .1948, the evaluation indicated that the site is **UNSUITABLE for** a ground absorption sewage system. Therefore, your request for an improvement permit is **DENIED.** A copy of the site evaluation is enclosed. The site is unsuitable based on the following:

- ☒ Unsuitable soil topography and/or landscape position (Rule .1940)
- ☐ Unsuitable soil characteristics (structure or clay mineralogy) (Rule .1941)
- ☐ Unsuitable soil wetness condition (Rule .1942)
- ☐ Unsuitable soil depth (Rule .1943)
- ☐ Presence of restrictive horizon (Rule .1944)
- ☒ Insufficient space for septic system and repair area (Rule .1945)
- ☐ Unsuitable for meeting required setbacks (Rule .1950)
- ☐ Other (Rule .1946)

These severe soil or site limitations could cause premature system failure, leading to the discharge of untreated sewage on the ground surface, into surface waters, directly to ground water or inside your structure.

The site evaluation included consideration of possible site modifications, and modified, innovative or alternative systems. However, the Health Department has determined that none of the above options will overcome the severe conditions on this site. A possible option might be a system designed to dispose of sewage to another area of suitable soil or off-site to additional property.

For the reasons set out above, the property is currently classified **UNSUITABLE,** and an improvement

permit shall not be issued for this site in accordance with Rule .1948 (c).

However, the site classified as **UNSUITABLE** may be classified as **PROVISIONALLY SUITABLE** if written documentation is provided that meets the requirements of Rule .1948(d). A copy of this rule is enclosed. You may hire a consultant to assist you if you wish to try to develop a plan under which your site could be reclassified as **PROVISIONALLY SUITABLE.**

You have a right to an informal review of this decision. You may request an informal review by the soil scientist or environmental health supervisor at the local health department. You may also request an informal review by the
N. C. Department of Environment and Natural Resources regional soil specialist. A request for informal review must be made in writing to the local health department.

You also have a right to a formal appeal of this decision. To pursue a formal appeal, you must file a petition for a contested case hearing with the Office of Administrative Hearings, 6714 Mail Center, Raleigh, NC 27699-6714. To get a copy of a petition form, you may write the Office of Administrative Hearings or call the office at (919) 733-0926 or from the OAH web site at www.oah.state.nc.us/form.htm. The petition for a contested case hearing must be filed in accordance with the provision of North Carolina General Statutes 130A-24 and 150B-23 and all other applicable provisions of Chapter 150B. N. C. General Statue 130A-335(g) provides that your hearing would be held in the county where your property is located.

Please note: If you wish to pursue a formal appeal, you must file the petition form with the Office of Administrative Hearings **WITHIN 30 DAYS OF THE DATE OF THIS LETTER.** The date of this letter is **July 22, 2005**. Meeting the 30-day deadline is critical to your right to a formal appeal. Beginning a formal appeal within 30 days will not interfere with any informal review that you might request. Do not wait for the outcome of any informal review if you wish to file a formal appeal.

If you file a petition for a contested case hearing with the Office of Administrative Hearings, you are required by law (N.C. General Statute 150B-23) to send a copy of your petition to the North Carolina Department of Environment and Natural Resources. Send the copy to: Office of General Counsel, N. C. Department of Environment and Natural Resources, 1601 Mail Service Center, Raleigh, NC. 27699-1601. Do **NOT** send the copy of the petition to your local health department. Sending a copy of your petition to the local health department will **NOT** satisfy the legal requirement in N.C. General Statute 150B-23 that you send a copy to the Office of General Counsel, NCDENR.

You may call or write the local health department if you need any additional information or assistance.

Sincerely,

J. Andrew Walker, R.S.
Authorized Agent - DENR

Encl: (2)

FEE: 200.00
DATE: 2/7/03 EH

APPLICATION FOR IMPROVEMENT PERMIT FOR RESIDENTIAL SITE INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM

1 1 CRT

TYPE APPLICATION: X NEW SYSTEM __ EXPANSION/ ALTERATION OF EXISTING SYSTEM __ REPAIR OF EXISTING SYSTEM

NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT,
HEALTH, AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

FILE #: ~~5107~~ 5329

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION:

TAX/PARCEL NUMBER: 139-274-23

STREET ADDRESS: 10608 Russet Place

SUBDIVISION OR MOBILE HOME PARK NAME:

LOT NUMBER: 32

TYPE OF BUILDING (CHECK ONE):

__ SINGLE MOBILE HOME(S)
__ DOUBLE WIDE (D)
X HOUSE (H)
__ MODULAR HOME (M)
__ MULTIPLE FAMILY (U)
__ OTHER (O)

TOWNSHIP (CHECK ONE):

__ 0 MECKLENBURG
__ 1 CHARLOTTE
__ 2 DAVIDSON
__ 3 CORNELIUS
__ 4 PINEVILLE
__ 5 MATTHEWS
__ 6 HUNTERSVILLE
__ 7 MINT HILL

HEATED SQUARE FOOTAGE: 1000

NUMBER OF BEDROOMS: 3 NUMBER OF OCCUPANTS: 2

CLOSING DATE ASAP

FOUNDATION FOR RESIDENCE:

X WITHOUT BASEMENT
X ON SLAB
__ CRAWL SPACE
__ WITH BASEMENT /PLUMBING
__ WITH BASEMENT /NO PLUMBING

IF EXPANSION/ALTERATION OF EXISTING SYSTEM, DESCRIBE THE PROPOSED BUILDING ADDITION:

WILL THERE BE A HOME BUSINESS IN THE RESIDENCE: __ YES X NO TYPE: _____

WATER SUPPLY (CHECK ONE):

__ COMMUNITY (C)
__ SHARED WELL (S)
__ MUNICIPAL (M)
__ OTHER 'SPRINGS' (O)
__ PRIVATE WELL (P) (unknown)

IF ANY OF THE FOLLOWING ARE LOCATED ON THE PROPERTY, PLEASE SHOW LOCATION ON PLAT:

BURIED CABLES, LANDFILLS, STUMPHOLES __ YES X NO
EXISTING WASTEWATER SYSTEMS __ YES __ NO
EASTMENTS OR RIGHT-OF-WAYS __ YES X NO
WELL, SPRINGS OR WATERLINES __ YES X NO
DESIGNATED WETLANDS __ YES X NO

PROPERTY OWNER:

NAME: (LAST) Foster (FIRST) William (MI) R Jr.
ADDRESS: 9828 Thornridge Rd
CITY: Indian Trail STATE: NC ZIP: 28079
DAYTIME PHONE: ( ) 704-289-2333

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: (LAST) NA (FIRST) (MI)
DAYTIME PHONE: ( ) -

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? mid 1960's

An Improvement Permit is subject to suspension or revocation if site plans or the intended use change or if information submitted in this application is falsified or changed. The undersigned, owner, or legal agent for the owner, of the property described above as the "Job Location" has read the foregoing application, acknowledges that the contents of same are true, and authorizes agents of the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

SIGNED: W R Foster DATE: 2/6/03

MECKLENBURG COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR., SUITE 211, 700 N. TRYON ST., CHARLOTTE, N.C. 28202., (704) 336-5102

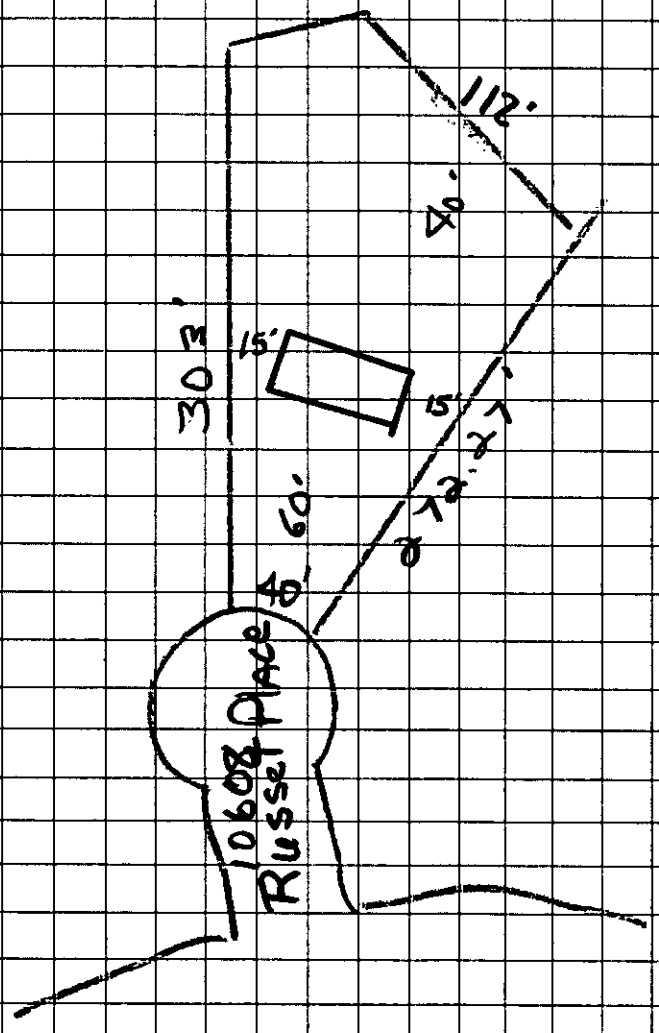
PROPOSED PLOT PLAN

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON STREET
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: ~~5189B~~ 5329

TC: 139-274-23

Draw in and name all roads adjoining the property. Draw in and accurately dimension the lot concerned. Accurately indicate property boundaries proposed and/or existing structures and driveways, underground utilities, and wells and springs within 100 feet of the proposed building or drainfield.



William R. Foster
OWNER/AGENT SIGNATURE

DATE 2-12-03

APPROVAL DATE _____

White - Health Department's Copy Canary - E.H.S. Copy Pink - Owner's Copy

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 1
Property ID: 139-274-23
Lot #: 32
File #: 5329
Code: 2

ACS

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: William R. Foster, Jr.
Applicant:
Address: 9828 Thornridge Road, Indian Trail, N. C. 28079
Date Evaluated: 05/22/2003
Proposed Facility: Residence
Design Flow (.1949): 360gpd
Property Size: .50a
Location of Site: 10608 Russet Place
Property Recorded:
Water Supply: [ ] Public [x] Individual [x] Well [ ] Spring [ ] Other
Evaluation Method: [x] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 Structure/ Texture	SOIL MORPHOLOGY .1941 Consistence Mineralogy	OTHER PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	R, 8	0-7	GR/SCL	FR/SEXP/SS/SP	>37" TO SOIL WETNESS	37	N/A	NONE	PS, IV .3GPD/FT^2
		7-24	SBK/C	FI/SEXP/S/P					
		24-37	SBK/SCL	FR/SEXP/SS/SP					
2	LS,15	0-5	GR/SCL	"	>22" TO SOIL WETNESS	22	"	"	US, IV .15GPD/FT^2
		5-22	SBK/C	FI/SEXP/S/P					
3	LS, 28	0-5	GR/CL	FR/SEXP/S/P	>49" TO SOIL WETNESS	49	"	"	PS, IV .3GPD/FT^2
		5-49	SBK/C	FI/SEXP/S/P					
4	"	0-4	GR/CL	FR/SEXP/SS/SP	>41" TO SOIL WETNESS	41	"	"	"
		4-24	SBK/C	FI/SEXP/S/P					
		24-41	SBK/CL	FR/SEXP/SS/SP					
5	LS,15	0-4	GR/CL	"	>48" TO SOIL WETNESS	48	"	"	"
		4-32	SBK/C	FI/SEXP/S/P					
		32-48	SBK/CL	FR/SEXP/SS/SP					

Description	Initial System	Repair System
Available Space (.1945)	US	
System Type(s)		
Site LTAR	.3GPD/FT^2	

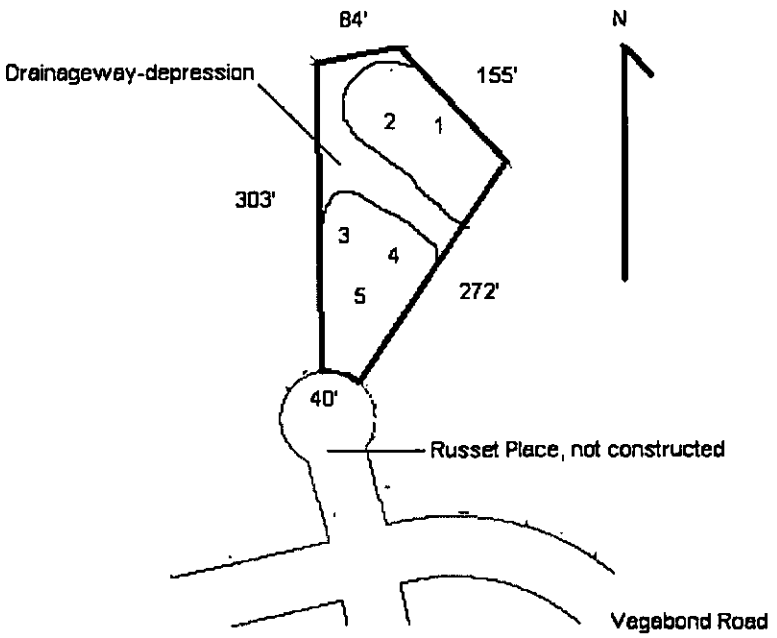
Other Factors (.1946): _____
Site Classification (.1948): UNSUITABLE
Evaluated By: W. R. Marlin, LSS, 5/23/2003. W. R. Marlin
Others Present:

FILE # 5187B

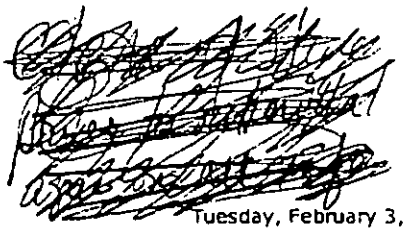
COMMENTS: Not 100% repair

LANDSCAPE POSITIONS	GROUP	TEXTURES	.1955 LTAR	CONSISTENCE MOIST	WET
R-RIDGE	I	S-SAND	1.2 - 0.8		
S-SHOULDER SLOPE		LS-LOAMY SAND		VFR-VERY FRIABLE	NS-NON-STICKY
L-LINEAR SLOPE				FR-FRIABLE	SS-SLIGHTLY STICKY
FS-FOOT SLOPE	II	SL-SANDY LOAM	0.8 – 0.6	FI-FIRM	S-STICKY
N-NOSE SLOPE		L-LOAM		VFI-VERY FIRM	VS-VERY STICKY
H-HEAD SLOPE				EFI-EXTREMELY FIRM	NP-NON-PLASTIC
CC-CONCLAVE SLOPE	III	SI-SILT-	0.6 – 0.3		SP-SLIGHTLY STICKY
CV-CONVEX SLOPE		SIL-SILT LOAM			P-PLASTIC
T-TERRACE		CL-CLAY LOAM			VP-VERY PLASTIC
FP-FLOOD PLAN		SCL-SANDY CLAY LOAM			
		SICL-SILTY CLAY LOAM			
	IV	SIC-SILTY CLAY	0.4 – 0.1		
		C-CLAY			
		SC-SANDY CLAY			

STRUCTURE	MINERALOGY
SG-SINGLE GRAIN	SLIGHTLY EXPANSIVE
M-MASSIVE	
CR-CRUMB	EXPANSIVE
GR-GRANULAR	
SBK-SUBANGULAR BLOCKY	
ABK-ANGULAR BLOCKY	
PL-PLATY	
PR-PRISMATIC	



YAHOO! MAIL



RE: Hillandale - Lot 32 Modified Plot Plan

Tuesday, February 3, 2009 8:45 AM

From: "Thomason, Trevor" <Trevor.Thomason@mecklenburgcountync.gov>
To: ethyl2lucy@yahoo.com
WELLSEPTICPERMITAPP.pdf (22KB)

This page for Reference only

Mr. Foster,

Have you submitted a Modified Plot Plan application for this project? If not, we need the completed application before we can charge your account. An application is attached for your convenience. You can email it to me or fax it to 704-336-6894. Once the application is received we will process payment.

Trevor

From: William Foster [mailto:ethyl2lucy@yahoo.com]
Sent: Tuesday, February 03, 2009 8:20 AM
To: Thomason, Trevor
Subject: RE: Hillandale - Lot 32 Modified Plot Plan

Please charge the $100.00 to account # X37512 or if you cannot arrange this tell me what additional steps I need to take. My phone # is 704-254-4011 in case you need to speak to me.

— On **Fri, 11/21/08, Thomason, Trevor <*Trevor.Thomason@mecklenburgcountync.gov*>** wrote:

> From: Thomason, Trevor <Trevor.Thomason@mecklenburgcountync.gov>
> Subject: RE: Hillandale - Lot 32 Modified Plot Plan
> To: larry@thompsonenv.com
> Cc: "Cornelius, David" <David.Cornelius@mecklenburgcountync.gov>, ethyl2lucy@yahoo.com, "Randall, Kelly" <Kelly.Randall@mecklenburgcountync.gov>
> Date: Friday, November 21, 2008, 8:21 AM
>
> Mr. Foster will need to complete a Modified Plot Plan application and submit the $100 fee in order for us to process the request and reissue a new permit for the lot. This is required because the house and system areas proposed on the new plan are different from the original design that was permitted. Attached is a copy of the permitted design along with an application form. Please call me if you have any questions.
>
> Trevor Charge to Acct. # X37512
>
> ---
>
> **From:** Larry Thompson [mailto:larry@thompsonenv.com]
> **Sent:** Thursday, November 20, 2008 8:26 PM
> **To:** Thomason, Trevor
> **Cc:** Cornelius, David; ethyl2lucy@yahoo.com
> **Subject:** Hillandale - Lot 32 Modified Plot Plan
>
> Trevor,
>
> I am attaching a revised proposal for Lot 32 of the Hillandale Subdivision in Mint Hill. The owner, Bill Foster, requested that we redesign the system based upon a house site that was closer to the

MR. Thomason, Please let me know when this is completed. Thanks, Bill Foster

5/25

VACANT LOT OFFER TO PURCHASE AND CONTRACT

NOTE: This contract is intended for use only for lots which have been developed pursuant to a Subdivision Ordinance adopted by a City or County and for which a plat has been recorded in the Office of the Register of Deeds in the county in which the property is located. If Seller is Buyer's builder and the sale involves the construction of a new single family dwelling prior to closing, use the standard Offer to Purchase and Contract (Form 2) with the New Construction Addendum (Form 2A3).

Angelo Curcio, as Buyer, hereby offers to purchase and Lloyd F. Baucom, commissioner in Foster etal. vs. Whitney etal. File # 04 SP1247, as Seller, upon acceptance of said offer, agrees to sell and convey, all of that plot, piece or parcel of land described below (hereafter referred to as the "Property"), upon the following terms and conditions:

1. **REAL PROPERTY:** Located in the City of Mint Hill, County of Mecklenburg, State of North Carolina, being known as and more particularly described as:
Street Address 8808 Vagabond Road and 10608 Russet Place Zip 28209
Subdivision Name Hillandale Acres
Plat Reference: Lot Lots 36 and 32, Block or Section M14 as shown on Plat Book or Slide 497 at Page(s) _____ (Property acquired by Seller in Deed Book 5140 at Page 962).
NOTE: Prior to signing this Vacant Lot Offer to Purchase and Contract, Buyer is advised to review Restrictive Covenants, if any, which may limit the use of the Property, and to read the Declaration of Restrictive Covenants, By-Laws, Articles of Incorporation, Rules and Regulations, and other governing documents of the owners' association and/or the subdivision, if applicable.

2. **PURCHASE PRICE:** The purchase price is $ 16,725 and $15,525 respectfully and shall be paid as follows:

(a) $ 500.00, EARNEST MONEY DEPOSIT with this offer by ☐ cash ☒ personal check ☐ bank check ☐ certified check ☐ other: _____ to be deposited and held in escrow by Lloyd Baucom, Commissioner ("Escrow Agent") until the sale is closed, at which time it will be credited to Buyer, or until this contract is otherwise terminated. In the event: (1) this offer is not accepted; or (2) any of the conditions hereto are not satisfied, then all earnest monies shall be returned to Buyer. In the event of breach of this contract by Seller, upon Buyer's request, all earnest monies shall be returned to Buyer, but such return shall not affect any other remedies available to Buyer for such breach. In the event this offer is accepted and Buyer breaches this contract, then all earnest monies shall be forfeited upon Seller's request, but receipt of such forfeited earnest monies shall not affect any other remedies available to Seller for such breach.
NOTE: In the event of a dispute between Seller and Buyer over the return or forfeiture of earnest money held in escrow by a broker, the broker is required by state law to retain said earnest money in the broker's trust or escrow account until a written release from the parties consenting to its disposition has been obtained or until disbursement is ordered by a court of competent jurisdiction.

(b) $ 0., ADDITIONAL EARNEST MONEY DEPOSIT to be paid to Escrow Agent no later than n/a, TIME BEING OF THE ESSENCE WITH REGARD TO SAID DATE.

(c) $ 0., BY ASSUMPTION of the unpaid principal balance and all obligations of Seller on the existing loan(s) secured by a deed of trust on the Property in accordance with the attached Loan Assumption Addendum.

(d) $ 0., BY SELLER FINANCING in accordance with the attached Seller Financing Addendum.

(e) $ 31,750. together, BALANCE of the purchase price in cash at Closing.

3. **CONDITIONS:** (State N/A in each blank that is not a condition to this contract.)

(a) Buyer must be able to obtain a ☐ Conventional ☐ Other: _____ loan at a ☐ Fixed Rate ☐ Adjustable Rate in the principal amount of _____ for a term of _____ year(s), at an initial interest rate not to exceed _____ % per annum, with mortgage loan discount points not to exceed _____ % of the loan amount. Buyer shall apply for said loan within _____ days of the Effective Date of this contract. Buyer shall use Buyer's best efforts to secure the lender's customary loan commitment letter on or before _____ and to satisfy all terms and conditions of the loan commitment letter by Closing. After the above letter date, Seller may request in writing from Buyer a copy

This form jointly approved by:
North Carolina Bar Association
North Carolina Association of REALTORS®, Inc.

STANDARD FORM 12-T
© 7/2003

Buyer Initials _____ _____ Seller Initials _____ _____

This form produced by: Lawyers Formulator 800-336-1027

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	02/13/09	**Amount:**	100.00
Receipt #:	60967	**Tendered:**	0.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	CRAIGGY		

Account Information

Account #: X37512
Contractor: NASH STEVE & CO
Attn:
Address: 322 JACK DAVID RD
Address:
City/State/Zip: MONROE, NC 28112

Item	Description	Permit#	Quantity	Unit Price	Total Price
0704	Change in Plot Plan 10608 RUSSET PLACE/FILE 5329		1	100.00	100.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
100.00	0.06				

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	08/08/08	**Amount:**	200.00
Receipt #:	58526	**Tendered:**	0.00
Check / Auth #:	MC 02797Z	**Returned:**	0.00
Received By:	GLADNAG		

Account Information

Account #: 200000
Contractor: FOSTER W. R
Attn:
Address: 9828 THORN RIDGE DR
Address:
City/State/Zip: INDIAN TRAIL, NC 28079

Item	Description	Permit#	Quantity	Unit Price	Total Price
0734	Auth for Waste Wtr Sys Constr 10608 RUSSET PLACE		1	200.00	200.00

----------Outstanding Balances----------

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	06/29/05	**Amount:**	200.00
Receipt #:	35455	**Tendered:**	0.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	WALKEVA		

Account Information

Account #: B97615
Contractor: COMPLETE CARPENTRY & LEISURE
Attn:
Address: 1407 LONG LEAF COURT
Address:
City/State/Zip: MATTHEWS, NC 28105

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen 10608 RUSSET PLACE		1	200.00	200.00

----------Outstanding Balances----------

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
640.70	1,425.75				

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date: 03/07/03
Receipt #: 15137
Check / Auth #: CHECK 3385
Received By: JOHNSK

Amount: 400.00
Tendered: 400.00
Returned: 0.00

Account Information

Account #: 200000
Contractor: FOSTER JR, W R/EMILY B
Attn:
Address: 9828 THORNRIDGE RD
Address:
City/State/Zip: INDIAN TRAIL, NC 28079

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen 8808 VAGABOND DR	13927427	1	200.00	200.00
0701	Improvment Permit App-Residen 10608 RUSSET PLACE	13927423	1	200.00	200.00

----------Outstanding Balances----------

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance

Dues fee
for
CO

2/24/09	Mon VM regarding need to apply for and obtain well permit 3/4/09
Need to apply for and obtain a permit for a well prior to LO release for C.A.	
Previous LO release for Ltr by AC 10/1/08	283458